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Eastern Kentucky State Teachers College

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Eastern Kentucky State Teachers College

RICHMOND, KENTUCKY

Member

Association of Kentucky Colleges and Universities
American Association of Teachers Colleges
Southern Association of Colleges and Secondary Schools

CATALOG

1932-33, 1933-34



E A S T E R N K E N T U C K Y R E V I E W

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1932—The College Calendar—1933

FIRST SEMESTER

September 16, 17	Friday, Saturday.....	Registration of Freshmen
September 19	Monday.....	Registration of Upper Classmen
September 19	Monday.....	Entrance examinations
September 20	Tuesday.....	Classes begin
September 26	Monday.....	Last day to register for full load
October 11	Tuesday.....	Last day to register for credit
November 25	Thursday.....	Thanksgiving (Holiday)
December 16	Friday, 4:00 P. M....	Christmas vacation begins
January 2	Monday.....	Class work resumes
January 27	Friday.....	Semester closes

SECOND SEMESTER

January 30	Monday.....	Registration
January 30	Monday.....	Entrance examinations
January 31	Tuesday.....	Classes begin
February 6	Monday.....	Last day to register for full load
February 21	Tuesday.....	Last day to register for credit
April 3	Monday.....	Registration for Spring Term
April 3	Monday.....	Entrance examinations
April 4	Tuesday.....	Classes begin
April 5	Wednesday.....	Last day to register for full load
April 10	Monday.....	Last day to register for credit
May 28	Sunday.....	Baccalaureate Address

(Commencement season begins)

May 31	Wednesday.....	Commencement
June 2	Friday.....	Semester closes.

SCHOOL ORGANIZATION

BOARD OF REGENTS

HON. JAMES H. RICHMOND

State Superintendent of Public Instruction, Ex-Officio Chairman

HON. J. W. CAMMACK, Owenton, Kentucky
Term Expires 1936

HON. C. F. WEAVER, Ashland, Kentucky
Term Expires 1936

HON. JOHN NOLAND, Richmond, Kentucky
Term Expires 1934

HON. H. M. BROCK, Harlan, Kentucky
Term Expires 1934

OFFICERS OF THE BOARD

SUPERINTENDENT JAMES H. RICHMOND, Chairman

HON. C. F. WEAVER, Vice-Chairman

HON. J. W. CAMMACK, Secretary

KATHERINE MORGAN, Assistant Secretary

EXECUTIVE COMMITTEE

HON. JOHN NOLAND, Chairman

HON. JAMES H. RICHMOND, Ex-Officio

HON. J. W. CAMMACK

PRESIDENT H. L. DONOVAN

HON. R. E. TURLEY, Treasurer

HON. H. M. BROCK

NORMAL EXECUTIVE COUNCIL

HON. JAMES H. RICHMOND
Ex-Officio President of the Council

H. H. CHERRY
President of Western Teachers College, Vice-President of the Council

H. L. DONOVAN
President of Eastern Teachers College

Faculty

H. L. DONOVAN, A. B., M. A., Ph. D. President

Diploma, Western Kentucky State Normal School; A. B., University of Kentucky; M. A., Teachers College, Columbia University; graduate student, University of Chicago; Ph. D., George Peabody College for Teachers.

***KERNEY M. ADAMS, A. B., A. M.** Social Science

Diploma, Eastern Kentucky State Normal School; A. B., University of Kentucky; A. M., Cornell University; additional graduate work, Cornell University.

MARY L. ADAMS, B. S., M. A. Critic, Home Economics

B. S., University of Kentucky; M. A., Teachers College, Columbia University; one quarter additional graduate work, Teachers College, Columbia University.

ANNIE ALVIS, A. B., M. A. Critic, Sixth Grade

A. B., State Teachers College, Farmville, Virginia; M. A., Teachers College, Columbia University.

MRS. MARY EDMUNDS BARNHILL, A. B., M. A., LL. B. English

A. B., University of Kentucky; M. A., Ohio State University; LL. B., University of Louisville; graduate student, Ohio State University.

ISABEL BENNETT, A. B., B. S. Assistant Librarian

A. B., University of Kentucky; B. S., in Library Science, Columbia University.

G. O. BRYANT, A. B., A. M. Critic, Mathematics

Diploma, Western Kentucky State Normal School; A. B., A. M., University of Kentucky.

PEARL L. BUCHANAN, A. B., M. A. English—Speech

A. B., Southwestern University; graduate student, University of Oklahoma and Northwestern University; M. A., George Peabody College for Teachers.

VIRGIL BURNS, A. B., M. A. Social Science

Diploma, Western Kentucky State Normal School; student, Bowling Green Business University; A. B., University of Kentucky; M. A., Teachers College, Columbia University; one year additional graduate work, Teachers College, Columbia University.

* On leave of absence for one year.

6 EASTERN KENTUCKY STATE TEACHERS COLLEGE

MARY KING BURRIER, B. S., M. S. Home Economics
Diploma, Hamilton College; B. S., M. S., University of Kentucky;
graduate student, Columbia University.

C. E. CALDWELL, A. B., B. S., A. M. Mathematics
A. B., Marietta College; B. S., National Normal University; A. M.,
Ohio State University; two years additional graduate work, Ohio
State University.

*JANE CAMPBELL, B. Mus., A. B., A. M. Music
B. Mus., Taylor University; A. B., Eastern Indiana State Normal
School; graduate work, Eastern Indiana State Normal School; A. M.,
Columbia University; student, University of Paris.

KATIE CARPENTER, A. B., A. M. Principal, Rural Practice School
A. B., Eastern Kentucky State Teachers College; A. M., Univer-
sity of Kentucky.

ASHBY B. CARTER, B. S. Agriculture and Sanitary Science
Student, University of Richmond, University of Virginia and
Virginia Mechanics Institute; B. S., George Peabody College for
Teachers; graduate student, George Peabody College for Teachers,
University of Kentucky, and Teachers College, Columbia University.

MRS. EMMA YOUNG CASE, A. B., M. A. Acting Dean of Women
and Education
Student, University of Kentucky; A. B., Eastern Kentucky State
Teachers College; M. A., George Peabody College for Teachers.

ROY B. CLARK, A. B., A. M., Ph. D. English
Diploma, Nebraska State Normal School; A. B., University of
Nebraska; A. M., Ph. D., Columbia University.

J. DORLAND COATES, B. S., M. A. Critic, Model High School
B. S., Eastern Kentucky State Teachers College; M. A., George
Peabody College for Teachers.

MEREDITH J. COX, B. S., M. A. Chemistry
Diploma, Warren Academy; B. S., M. A., George Peabody College
for Teachers; two years additional graduate work, Columbia Univer-
sity, University of Wisconsin, and Duke University.

NOEL B. CUFF, B. S., A. M., Ph. D. Psychology
B. S., A. M., Ph. D., George Peabody College for Teachers.

N. G. DENISTON, B. S. Industrial Arts
B. S., Valparaiso University; student, Stout Institute, Massachu-
setts Institute of Technology, and Bradley Polytechnic Institute;
graduate student, University of Chicago.

RUTH DIX, B. S., M. A. Home Economics
Student, Bradley Polytechnic Institute and University of Illinois;
B. S., Bradley Polytechnic Institute; M. A., Teachers College, Columbia
University.

* On leave of absence for one year.

J. T. DORRIS, A. B., A. M., Ph. D. History and Government
A. B., Illinois College; A. M., University of Wisconsin; Ph. D., University of Illinois.

RICHARD A. EDWARDS, A. B., A. M. Director of Training School
A. B., University of Kentucky; A. M., Columbia University.

FRED A. ENGLE, A. B., A. M. Mathematics
Student, Cumberland College; A. B., A. M., University of Kentucky; one year additional graduate work, University of Kentucky.

JACOB D. FARRIS, A. M., M. D. College Physician and Teacher of Health
Diploma, Western Kentucky State Normal School and Teachers College; student, University of Chicago; A. M., George Peabody College for Teachers; M. D., Vanderbilt University.

D. THOMAS FERRELL, A. B., M. A. Education
A. B., A. M., Duke University; M. A., Teachers College, Columbia University; two years additional graduate work, George Peabody College for Teachers.

MARY FLOYD, A. B., M. A. Acting Librarian and History
A. B., Eastern Kentucky State Teachers College; M. A., Teachers College, Columbia University; graduate student, University of Chicago.

EDITH G. FORD, B. C. S., A. B., A. M. Commerce
Diploma, Louisiana State Normal College; B. C. S., Bowling Green Business University; A. B., George Washington University; A. M., University of Kentucky; student, University of Paris.

ALLIE FOWLER, B. S., M. A. Art
B. S., M. A., George Peabody College for Teachers.

MAUDE GIBSON Art
Graduate, Lebanon Normal; two years' course in public school art, Teachers College, Miami University; student, New York School of Applied Design and Teachers College, Columbia University.

ANNA D. GILL, B. C. S., A. B. Commerce
B. C. S., Bowling Green Business University; student, Chicago Gregg School and Western Kentucky State Teachers College; A. B., University of Kentucky; graduate student, University of Kentucky.

P. M. GRISE, A. B., M. A. Critic, Model High School
A. B., Western Kentucky State Teachers College; M. A., George Peabody College for Teachers.

G. M. GUMBERT, B. S., A. M. Agriculture
B. S., A. M., University of Kentucky.

MAY C. HANSEN, B. S., M. A. Education
Diploma, Oshkosh State Teachers College; student, University of Chicago and Columbia University; B. S., George Peabody College for Teachers; M. A., Teachers College, Columbia University.

8 EASTERN KENTUCKY STATE TEACHERS COLLEGE

ELIZA HANSON, A. B., M. A. **Critic, Sixth Grade**
 Diploma, Eastern Kentucky State Teachers College; A. B., University of Kentucky; M. A., George Peabody College for Teachers; graduate student, University of Colorado and University of Kentucky.

GEORGE N. HEMBREE, B. C. S., A. B. **Physical Education**
 Student, Eastern Kentucky State Teachers College, University of Illinois, and George Peabody College for Teachers; B. C. S., Bowling Green Business University; A. B., University of Kentucky.

THOMAS C. HERNDON, B. S., M. A., Ph. D. **Chemistry**
 B. S., University of Kentucky; graduate student, University of Chicago; M. A., Ph. D., George Peabody College for Teachers.

GERTRUDE M. HOOD, A. B., A. M. **Physical Education**
 A. B., Ohio Wesleyan University; A. M., Columbia University.

CHARLES T. HUGHES, A. B. **Coach**
 Diploma, Morton-Elliott Junior College; A. B., University of Kentucky; graduate student, University of Michigan.

ARNIM DEAN HUMMELL, B. S., M. S., Ph. D. **Physics**
 B. S., Knox College; M. S., Ph. D., University of Illinois.

ELIZA HUGHES, A. B., A. M. **Physical Education**
 Diploma, New Haven Normal School of Gymnastics; student, University of Kentucky; A. B., Eastern Kentucky State Teachers College; A. M., Columbia University.

HELEN HULL, B. Mus. **Music**
 Diploma in Music, Ohio State Teachers College; B. Mus., University of Michigan.

RICHARD E. JAGGERS, A. B., A. M., Ph. D. **Education and
Director of Extension**
 A. B., A. M., University of Kentucky; Ph. D., Cornell University.

WILLIAM C. JONES, B. S., A. M., Ph. D. **Education and
Director of Research**
 B. S., East Texas State Teachers College; A. M., Colorado State Teachers College; Ph. D., George Peabody College for Teachers.

WILLIAM L. KEENE, B. S., M. A. **English**
 Diploma, Middle Tennessee State Normal School; B. S., M. A., George Peabody College for Teachers; two years additional graduate work, George Peabody College for Teachers.

CHAS. A. KEITH, B. A., M. A., Ped. D. **History and Dean of Men**
 Student, University of Arkansas and University of Texas; B. A., M. A., Oxford University; Honorary Doctor of Pedagogy, Ohio Northern University; one year and two summer terms' additional graduate work, Indiana University.

L. G. KENNAMER, A. B., B. S., M. A., Ph. D. **Geography and Geology**
 A. B., Simmons University; student, University of Wisconsin; B. S., M. A., Ph. D., George Peabody College for Teachers.

- HARRIETTE V. KRICK, A. B., Ph. D.** Biology
A. B., Hiram College; Ph. D., University of Chicago.
- CORA LEE, B. S., M. A.** Critic, Model High School
B. S., George Peabody College for Teachers; M. A., Teachers College, Columbia University.
- MARGARET LINGENFELSER, A. B., M. A.** Critic, First Grade
A. B., Eastern Kentucky State Teachers College; M. A., Teachers College, Columbia University.
- MELVIN E. MATTOX, B. S., M. A.** Education and Registrar
Diploma, Mississippi State Normal School; B. S., M. A., George Peabody College for Teachers; one year additional graduate work, George Peabody College for Teachers.
- THOMAS E. McDONOUGH, B. S., M. A.** Physical Education and Health
Diploma, La Crosse Teachers College; student, Columbia University; B. S., M. A., George Peabody College for Teachers.
- MARY FRANCES McKINNEY, B. S., M. A.** Geography
Diploma, Eastern Kentucky State Teachers College; B. S., M. A., George Peabody College for Teachers.
- ELEANOR MEBANE, A. B., M. A.** Art
A. B., University of Indiana; M. A., George Peabody College for Teachers; student, Art Institute of Chicago, one year; student, Chicago Academy of Fine Arts, two years; student, Art Students' League, New York, one year; Student, New York School of Fine and Applied Arts, four months; student, Pennsylvania Academy of Fine Arts, one year.
- WILLIAM J. MOORE, A. B., A. M., Ph. D.** Economics
Diploma, Eastern Kentucky State Normal School; student, College of Law, University of Kentucky; A. B., A. M., Ph. D., University of Kentucky.
- MRS. JANET MURBACH, A. B., A. M.** French
A. B., Oberlin College; student, University of Paris and University of California; A. M., University of Kentucky; one year graduate study, University of Toulouse, France
- CORNELIA NETTINGA, A. B., B. Mus.** Music
A. B., B. Mus., Hope College.
- **SMITH PARK, B. S., M. S., Ph. D.** Mathematics
B. S., M. S., Ph. D., University of Kentucky.
- MABEL H. POLLITT, A. B., A. M.** Latin
A. B., A. M., University of Kentucky; additional graduate work in American Academies of Rome and Athens.
- ALFRED E. PORTWOOD, A. B.** Assistant Coach
A. B., University of Kentucky; graduate student, University of Michigan.

** On leave of absence for one semester.

10 EASTERN KENTUCKY STATE TEACHERS COLLEGE

ELLEN PUGH, A. B., A. M. Critic, Fifth Grade
A. B., Ohio Wesleyan University; A. M., Ohio State University;
two quarters additional graduate work, Ohio State University.

NANCY RICHARDSON, A. B. Assistant Librarian
A. B., North Carolina College for Women; graduate student,
George Peabody College for Teachers.

*R. R. RICHARDS, A. B. Commerce
Student, University of Kentucky; A. B., Eastern Kentucky State
Teachers College. Graduate student, University of Kentucky.

DEAN W. RUMBOLD, B. S., Ph. D. Biology
B. S., University of Buffalo; student, University of Wisconsin;
Ph. D., Duke University.

RUBY RUSH, A. B., A. M. Critic, Model High School
Graduate, Virginia Intermont College; A. B., University of Ken-
tucky; A. M., Columbia University.

ANNA A. SCHNIEB, A. B., A. M., Ph. D. Education
Diploma, Indiana State Teachers College; student, Indiana Uni-
versity; A. B., A. M., Columbia University; two years' additional
graduate work, Columbia University and University of Chicago; Ph. D.,
University of Vienna.

G. D. SMITH, A. B., B. S., M. S., D. Sc. Nature Study
A. B., Ohio Northern University; B. S., Ohio Wesleyan University;
M. S., D. Sc., Ohio Northern University.

VIRGINIA F. STORY, B. S., M. A. Critic, Second Grade
Diploma, Eastern Kentucky State Teachers College; B. S., M. A.
George Peabody College for Teachers.

BROWN E. TELFORD, B. S. Piano
Diploma, Greenbrier College for Women; student, Cincinnati Con-
servatory of Music, New York School of Music and Arts, New England
Conservatory of Music; and B. S., Columbia University.

MRS. GLADYS PERRY TYNG, B. S., M. A. Education
Diploma, Eastern Kentucky State Normal School and Teachers
College; B. S., George Peabody College for Teachers; graduate
student, George Peabody College for Teachers; M. A., Teachers Col-
lege, Columbia University.

JAMES E. VAN PEURSEM, A. B., B. Mus. Music
A. B., Morningside College; B. Mus., Oberlin College.

SAMUEL WALKER, A. B., A. M. Principal, Model High School
A. B., Maryville College; A. M., University of Kentucky.

MRS. LUCILLE WHITEHEAD, B. S. Assistant Librarian
B. S., George Peabody College for Teachers; one year graduate
work in Library Science, George Peabody College for Teachers.

* On leave of absence for one year.

ELIZABETH WILSON, B. S., M. A.

Critic, Third Grade

Diploma, Martin Collge, B. S., M. A., George Peabody College for Teachers.

GERMANIA J. WINGO, B. S., M. A.

Critic, Fourth Grade

Diploma, Virginia State Normal School; B. S., M. A., Teachers College, Columbia University.



Roark Science Building.

ADMINISTRATIVE STAFF

G. M. BROCK, Business Agent

E. P. McCONNELL, Bookkeeper

KATHERINE MORGAN, Secretary to the President

R. E. JAGGERS, A. B., A. M., Ph. D., Director of Extension

MARGARET GREENLEAF, A. B., Secretary to Business Agent

ELIZABETH DUNIGAN, Secretary to the Registrar

LUCILE DERRICK, B. S., Secretary to Director of Research

MAYME COOPER, Secretary, Director of Extension

MAYE M. WALTZ, Stenographer, Office of Director of Research

INEZ McKINLEY, Assistant Bookkeeper and Stenographer

AUGUSTA DAUGHERTY, Cashier and Stenographer

LOIS COLLEY, Stenographer, Business Office

EUNICE WINGO, Secretary to Dean of Women

FRED BALLOU, Book Store Clerk

MRS. HART PERRY, Stenographer, Registrar's Office

MRS. T. J. COATES, Housekeeper, Burnam Hall

MARIE L. ROBERTS, Housekeeper, Sullivan Hall

W. A. AULT, Superintendent Buildings and Grounds

EDNA WHITE, Registered Nurse

EDITH L. McILVAINE, Supervisor of Cafeteria

R. H. MATHERLY, Assistant in Cafeteria

MRS. BESSIE GRIGGS, Information Clerk

Faculty Organization

COMMITTEES

Alumni and Senior Class

Moore, Adams, Carpenter, Case, Coates, Derrick, Floyd, Lingenfelter,
McKinney, Park, Richards, Story, Tyng

Meets first Tuesday of each month at 4:10 P. M.

Certification and Graduation

Kennamer, Caldwell, Case, Farris, Hummell, Jaggars, Jones,
Mattox, Pollitt.

Meets on call of the chairman

Student Schedules

COLLEGE

Keith, and others as assigned

MODEL HIGH SCHOOL

Walker, and others as assigned

Credits and Credentials

Mattox, Carter, Clark, Cuff, Herndon, Jones, Park, Pollitt

Meets on first Monday each semester, mid-semester, and each
summer term at 4:10 P. M.

Entrance Examinations

Moore, Barnhill, Burns, Gill, Jones, McKinney, Mattox, Walker
Meets on call of chairman

Fine Arts and Entertainment

Murbach, Buchanan, Caldwell, Campbell, Farris, Hull, Kennamer,
Mebane, Nettinga, Telford, Tyng, Van Peurse

Meets on the first Wednesday of each month at 4:10 P. M.

Library Committee

Floyd, Park, Clark, Cox, Edwards, Jones, Keith, Kennamer,
McDonough, Pollitt, Rumbold

Meets on the first Tuesday of each month at 4:10 P. M.

The Training School

Edwards, the critic teachers, and the teachers of Education

Meets on call of the chairman

Athletics

Carter, Farris, Gumbert, Hughes, C. T., Keith, McDonough, Moore

Meets on the second Friday of each month at 4:10 P. M.

Societies, Clubs, and Forensics

Clark, Barnhill, Dix, Dorris, Ferrell, Ford, Richards

Meets on second Tuesday of each month at 4:10 P. M.

Student Publications—Milestone and Progress

Rumbold, Cuff, Deniston, Gibson, Hood, Keene, Richards

Meets on second Wednesday of each month at 4:10 P. M.

Eastern Kentucky Review—Catalog

Dorris, Clark, Edwards, Keene, Krick, Mattox, Schnieb

Meets on second Thursday of each month at 4:10 P. M.

Curriculum Committee

Jones, Clark, Cox, Dix, Dorris, Edwards, Hansen, Jagers,
Mattox, Moore, Tyng

Meets on third Friday of each month at 4:10 P. M.

Student Welfare, Discipline and Grievances

Donovan, Case, Farris, Jones, Keith, Pollitt

Meets on call of the chairman

Rules and Regulations

Park, Caldwell, Carter, Edwards, Jones, Keith, Mattox, Pollitt

Meets on call of the chairman

Socials and Receptions

Hughes, Burrier, Carter, Farris, Ford, Fowler, Krick, McDonough,
McKinney, Pollitt, Richards; ex-officio Case, Keith

Meets on call of the chairman

Extension Committee

Jagers, Adams, Dorris, Engle, Hembree, Jones, Smith

Meets on the fourth Tuesday of each month at 4:10 P. M.

Student Loans, Scholarships and Fellowships

Cox, Brock, G. M., Case, Cuff, Keith, McDonough, Portwood, Schnieb

Meets on call of the chairman

Note: A special meeting of any committee will be called by its chairman on the written request of three of the members of such committee. The President is ex-officio member of all committees.



Burnham Hall, Women's Dormitory.

GENERAL INFORMATION

HISTORY

On January 6, 1906, the bill creating the State Normal Schools was introduced by Hon. R. W. Miller, of Madison County, in the lower house of the General Assembly of Kentucky. The measure was put on its final passage in the House on March 2, and in the Senate on March 9, and received the unanimous support of both Houses. It was signed by Governor Beekham on March 21, and as the bill carried an "emergency clause," it became a law at once.

On April 5, 1906, the Governor appointed the commissioners to locate the two Normal Schools. Messrs B. M. Arnett of Nicholasville, John Morris of Covington, George Payne of Paducah, George B. Edwards of Russellville, Basil Richardson of Glasgow, E. H. Mark of Louisville, and M. G. Watson of Louisa, constituted the commission.

On May 1, 1906, the commission visited Richmond to inspect the site offered by that city and on May 7 it met in Louisville and named Richmond and Bowling Green as the homes of the new schools. On May 9, 1906, the first Board of Regents was named: Hon. James H. Fuqua, Sr., State Superintendent of Public Instruction, ex-officio Chairman; Hon. J. A. Sullivan, Richmond, Ky.; Mr. P. W. Grinstead, Cold Springs, Ky.; Hon. Fred A. Vaughan, Paintsville, Ky.; Senator J. W. Cammaek, Owenton, Ky.

The Regents met on June 2 and elected Ruric Nevel Roark, at the time an honorary fellow in Clark University, as President of the Eastern School. The Model School opened September 7, 1906; the Normal School opened for students on January 15, 1907. Dr. Roark died April 14, 1909, and Mrs. Roark was elected acting president on April 16. She served in this capacity until March 18, 1910, when John Grant Crabbe, then Superintendent of Public Instruction, was elected president. Dr. Crabbe served as president until September 1, 1916. On June 16, 1916, he resigned to take effect September

1, to accept the presidency of Teachers College, Greeley, Colorado. On September 5, 1916, the Board of Regents met at Lexington, Kentucky, and elected T. J. Coates, State Supervisor of Rural Schools, to the presidency of the institution. Mr. Coates entered upon his term of office September 7 and continued in office until his death, March 17, 1928. Dr. Homer E. Cooper, Dean, was elected acting president March 19 and served in this capacity until June 1. The Board of Regents met in Louisville on March 26, 1928, and elected H. L. Donovan, Professor of Education of Peabody College, president of the institution. Mr. Donovan was formerly dean of the faculty of Eastern.

LOCATION

The home of the Eastern Kentucky State Teachers College is a city of about 8,000 population, situated on the L. & N. Railway trunk line from Cincinnati to Knoxville, and the L. & N. running east and west. Richmond is a city of Christian homes and contains churches of all the leading denominations. It is not so large that it will lose sight of the school in a multiplicity of other interests, and yet is large enough to afford the essential material conveniences for the care of the institution.

Richmond is on the border line between the blue grass and the mountains, and the surrounding scenery shows the beauty of both regions. From the campus can be seen the blues and purples of the mountain range, and from the top of University Hall there is a splendid view of the rich grass lands and farms rolling to the west.

BUILDINGS AND GROUNDS

Richmond gave to the State for the home of Eastern Kentucky State Teachers College the buildings and campus of old Central University, the famous Presbyterian institution which was removed to Danville and united with Centre College in 1901. The campus lying between South Lancaster Avenue and South Second Street is one of the most beautiful in the south. It has a splendid sweep of blue-grass turf, thickly set with fine maple and other trees. Our present buildings include:

University Building—This building was erected by Old Central University in 1874. The model senior high school now occupies this building, which was remodeled throughout last year. Extensive improvements were made to modernize the interior of the building.

Industrial Arts Building—This building houses the Department of Industrial Arts, including the woodworking and industrial arts shops and drafting rooms. Complete woodworking equipment, including lathes, band saws, circular saws, planers and jointers, is installed in this building. The building was formerly occupied by the preparatory school of Old Central University.

The President's Home—This building is situated on the northwest corner of the campus, facing Lancaster Avenue, just north of the Administration Building. It is a large two-story brick building.

Ruric Nevel Roark Building—This handsome building is named in honor of the first president. It was erected in 1909. The laboratories for physics, chemistry, and biology are located in this building. These laboratories are well equipped for special and individual study. The building also contains several lecture and class rooms.

James W. Cammack Building—It was constructed in 1918 and was recently remodeled and refurnished. The building was designed and is used entirely for the elementary grades. It contains laboratories, classrooms, practice rooms, offices and assembly rooms.

John Grant Crabbe Library—This building was constructed in 1923 and is named in honor of the second president of the institution. It is a two-story fireproof structure and is used exclusively for library purposes. The building contains approximately 33,000 volumes, a large picture collection, and several thousand pamphlets. A room is set apart and is used to house the John Wilson Townsend collection of Kentucky books. Many valuable additions have been made to this collection recently.

A unique feature of the library is the juvenile library. This contains the best available literature for children. It is used by the children of the training school and also serves as

a laboratory for college students who are enrolled for courses in Library Science.

Memorial Hall—Memorial Hall is the dormitory for men. It is modern, well equipped, and completely furnished. It accommodates approximately 150 students.

Sullivan Hall—This building is modern in every respect. It accommodates approximately 175 women students.

Burnam Hall—This building is a beautiful dormitory for women, recently constructed. It is a fireproof structure and accommodates 316 students. The rooms are arranged in suites of two with private bath. A spacious lobby, beautifully furnished, occupies the entire front central section of the first floor of this building. In this building is located the cafeteria, which has a seating capacity for 620. In addition to the cafeteria, there are small private dining rooms and kitchens which are to be used for entertainments of clubs and societies. There is also a large recreation room for women students. A well equipped laundry is provided for the use of students.

The Thomas Jackson Coates Administration Building—This building erected in 1928 is located between Roark Building and the President's home on Lancaster Avenue. It contains the administrative offices, departmental offices, fourteen classrooms, the college book store and college post office. This magnificent building was recently named in honor of Eastern's third president, Thomas Jackson Coates.

Hiram Brock Auditorium—The Auditorium was erected in 1930 and adjoins the Coates Administration Building. It has a seating capacity of 2,000. The stage is 40 x 30 feet and is fully equipped with the most modern devices for handling stage scenery and settings. The stage curtains and draperies are of handsome silk plush. A fully equipped projection room for the exhibition of motion pictures is provided. The Department of Music is accommodated in the Auditorium building and occupies ten studios and classrooms.

Weaver Health Building—The new Weaver Health Building named in honor of Hon. Charles F. Weaver of Ashland, Kentucky, a member of the Board of Regents, was opened for class work at the beginning of the spring term, 1931. It is one of the largest and best equipped buildings on the campus. It

is a three-story structure of brick, steel, and concrete and is 100 feet by 220 feet. It contains complete gymnasium facilities, including a large gymnasium 110 feet by 90 feet with a seating capacity of 2,000 and a small gymnasium 74 feet by 40 feet. All necessary apparatus for physical education has been installed in the building. The locker rooms located on the ground floor contain 1,065 steel lockers for the use of students. A feature of the building is an official-size, tile swimming pool which is equipped with all necessary machinery for heating, filtering, and purifying the water. The building contains classrooms and laboratories for the departments of physical education and health, the office of the college physician, and offices for the physical education staff.

The Central Heating Plant—The Central Heating Plant erected in 1909 contains all the necessary equipment, including boilers and pumps, for heating all the buildings on the campus. Recently a new 300-horsepower boiler with necessary mechanical stoker and forced draft was installed at the plant. A new smoke stack was also erected.

New Stateland Hall—This is a large and beautiful brick dwelling situated on the farm. It is used for Home Management work in connection with the Smith-Hughes course in Home Economics. It has been furnished and equipped for this work. It is modern in every respect.

New Stateland Farm—Eastern owns an excellent farm of 180 acres. This farm was purchased in January, 1923. It bounds the original campus on the east and south. In many respects the acquisition of the farm represents one of the finest assets the school has acquired in the history of the institution. The fact that it is contiguous to the campus makes it possible for the classes in agriculture to use the farm as a laboratory without loss of time in moving from the classroom to the farm. The activities of the farm are those which are usually found in this part of the State. There is a dairy herd composed of purebred Jerseys and Holsteins. These cows furnish milk for the cafeteria.

Purebred Duroc hogs are raised and a colony of purebred poultry is being bred.

Dairy Barn—A model dairy barn with a capacity of thirty dairy cows has recently been erected on New Stateland Farm.

This farm is owned and operated for the following purposes:

1. To be used by the Department of Agriculture for laboratory and demonstration purposes.

2. To give a limited number of students attending the institution work to help pay expenses.

3. To furnish the dormitories with milk, eggs, meat, and vegetables in season, thus lowering the cost of living to students in the school.

While New Stateland is in no sense a commercial enterprise, it is expected to do all the things mentioned above, to pay its expenses, and to pay gradually for needed improvements.



The Lily Pool.

EXPENSES AT EASTERN

INFORMATION CONCERNING ROOMS, BOARD AND FEES

ROOMS

Rules Concerning Students Residing in Dormitories and Private Homes—*While Rooms Are Available in the Dormitories Students Are Required to Occupy Dormitory Rooms—*After the dormitories are filled, students may take rooms in private homes in Richmond, but both men and women students, when living off the campus, are required to room in homes listed by the college. Students should not engage rooms in private homes before ascertaining that the home is on the list. Students are not permitted to register until after their room assignment has been approved by the Dean of Women for women students, and the Dean of Men for men students. Upon arrival in Richmond all women students should report to Burnam Hall at the office of the Dean of Women, and all men students to Memorial Hall, where they will receive cards indicating that room assignment has been approved.

All students not living in their own homes, whether rooming in the dormitories or in private homes or rooming houses, are alike subject to the regulations, control and supervision of the college.

Rooms for Men Students—Memorial Hall is the men's dormitory. This dormitory will accommodate approximately 150 men, is completely furnished, lighted by electricity, heated by steam, equipped with baths and showers and is comfortable and convenient at all seasons of the year. All rooms are equipped with lavatories supplying hot and cold water. This building was recently decorated throughout. Most rooms accommodate two students, a few three students.

Rooms for Women Students—Burnam Hall and Sullivan Hall are the women's dormitories. These dormitories will accommodate 478 women students. Practically all rooms in these dormitories are two-student rooms, but there are a few corner rooms to which three students are assigned. Rooms in Sullivan Hall and Burnam Hall are completely furnished,

steam heated, and lighted by electricity. Hot and cold water is furnished in all rooms in these buildings. All rooms in New Burnam Hall have private bath for each suite of two rooms.

Rate of Room Rent in Dormitories—The rate of room rent for rooms in the dormitories varies according to the location, furnishings, equipment and the number of students occupying a room. Rooms in New Burnam Hall arranged in suites of two with private bath rent at a higher rate than rooms in Sullivan and Memorial Halls, where central bathrooms are located on each floor. All rooms not having bath adjoining are equipped with lavatories supplying hot and cold water. With few exceptions all rooms are equipped with single beds.

The rate of rent in Sullivan Hall is \$1.12 to \$1.35 a week, and in Burnam Hall \$1.35 to \$2.25 a week for each student. The \$2.25 rooms are on the front side of New Burnam; most other rooms in New Burnam are \$1.80 a week. The rate of rent in Memorial Hall is \$1.35 to \$1.80 a week for each student. The \$1.80 rooms are choice corner rooms.

In making application for rooms, students should indicate the price of room preferred.

Dormitory Room Reservations—The Room Deposit Fee—Students desiring to have rooms reserved in the dormitories should write the Business Agent for application card which will be forwarded immediately. When applying for dormitory reservations, students should mention the price of room preferred.

Applications for room reservations are filed in the order in which they are received and in that order rooms are reserved. Room assignments for the fall semester can generally be mailed promptly upon receipt of applications. Room reservations for the second semester and summer school can not be made until the number of students vacating the dormitories at the close of the preceding term can be determined. Frequently it is necessary to defer issuing assignments for the second semester and summer school until a short time before the beginning of these terms.

When the room assignment is received by the student, a room deposit fee of \$5.00 must be paid within ten days to make the reservation permanent. This fee is retained by the college,

as a guarantee of the proper care of room and furnishings, until the termination of the student's stay in the dormitory, at which time the whole, or such part of it as may be due after deduction for damage is made, will be refunded to the student.

Room Reservations Are Void Unless Claimed by 6:30 p. m. Monday, the Opening Day of the Semester or Term, and the Fee is Forfeited—Room reservations are not transferable.

Do not send a reservation fee until you have received a dormitory assignment.

To receive refund of the reservation fee, the holder of a reservation must give notice of cancellation of the room reservation not later than ten days before the opening of the term for which the reservation is made.

Care of Rooms in Dormitories—Students living in the dormitories are expected to care for their rooms and to keep them clean and orderly. The college attempts to make it possible for students to live in a refined atmosphere and under good living conditions, therefore, it expects those who occupy rooms in the dormitories to keep them in good condition. Students are expected to be economical in the use of water, lights, and heat. Lights should always be turned off when leaving rooms. A committee of the faculty will visit dormitory rooms at regular intervals and if lights are found on when students are absent from their rooms, a charge of 25c will be made for each offense.

Articles to be Furnished by Students—Whether rooming on the campus or in private homes, students are required to take care of their rooms and to furnish two pairs of pillow cases, three sheets, spreads and comforts or blankets, towels, soap, and runners for table and dresser.

Rooms for Married Couples and Families—Among the Richmond homes offering rooms to students many have facilities for light housekeeping, and frequently small homes may be rented furnished and unfurnished. Prospective students desiring such rooming places are advised to communicate with the institution in advance of their entrance that the best possible arrangements may be made.

BOARD

Board is provided in the beautiful new cafeteria in Burnam Hall. This cafeteria is equipped to serve about a thousand students. Cafeteria coupon books, good for \$5.00 in board, are on sale at the Business Office and may be purchased as needed. The average cost of board is \$3.75 a week.

Men and women students occupying rooms on the campus are **required** to take their meals at the college cafeteria. They are expected to pay for five cafeteria coupon books in advance at the beginning of each semester and the mid-semester, and for four coupon books in advance at the beginning of each six-week summer term.

These ticket books contain coupons good for \$5.00 in board. The amount of board required to be paid in advance at the opening of each semester and mid-semester is \$23.00 for which the student will receive five coupon books good for \$25.00 in board. A payment of \$19.00 will be required in advance at the opening of each six-week summer term for which the student will receive four coupon books good for \$20.00 in board.

Students rooming off the campus will receive the benefit of the special discount when purchasing coupon books in the same quantities as required of occupants of the dormitories. **When coupon books are purchased singly, they will be paid for at the rate of \$5.00 each, no discount being allowed.**

Positively no cooking, storage or serving of food will be permitted in dormitory rooms. Any student violating this rule may be asked to release his or her room and in the case of such release of room, no room rent will be refunded.

FEES

Important Notice to Students

Beginning with the Opening of the Fall Semester, September, 1932, it Becomes Necessary that the College Require that all Payments of College Expenses Made by Students be by Certified Check, Postal or Express Money Order, Cashier's Check, or Cash—No Personal Checks will be Accepted—This policy has been made necessary through conditions over which the institution has no control, and to enable the institution to

carry out the provisions of certain laws enacted by the 1932 legislature which require the college to deposit monthly with the state treasurer all funds received from fees, board, tuition, and other items of income.

Incidental Fee—Each student pays an incidental fee of \$10.00 each semester at the time of registration. This fee is paid by all students and is not refunded. It entitles the student to

1. Admission to the regular numbers of the Lectures and Fine Arts Course.
2. Subscription to the Eastern Progress.
3. Library service.
4. Health service.

Tuition—No Tuition is Charged Residents of Kentucky—Non-residents of Kentucky are charged the following rate:

For one semester \$27.00

Necessary Expenses at Eastern for One Semester—18 Weeks

Incidental Fee	\$10.00
Room Rent in Dormitories	\$20.25 to 40.50
Board in College Cafeteria	63.00 to 72.00
College Post Office Box Rent50

Total Expenses\$93.75 to \$123.00

The following expenses are payable in advance for the semester:

Incidental Fee	\$10.00
Room Rent in Dormitories	\$20.25 to 40.50
Board in College Cafeteria	23.00
College Post Office Box Rent50

Total to be paid in advance on entrance ..\$53.75 to \$74.00

Room rent has been reduced at Eastern. The above rates are 10% lower than formerly.

Cost of Books—The cost of books and supplies for the semester may be estimated at from \$10.00 to \$15.00.

Expenses for the summer school are in proportion to expenses for the semester.

Laboratory Fees—The fees to be paid for laboratory courses are indicated in connection with descriptions of these

courses in another part of this catalog. All laboratory fees are intended to cover the cost of materials and laboratory service furnished. No excessive laboratory fees are charged. Laboratory fees are paid at the time of registration with other items of expense.

Tuition Fees for Private Instruction in Music—Individual instruction in piano, voice, violin, and cello:

Two half-hour lessons per week (18 weeks)	\$27.00
One half-hour lesson per week (18 weeks)	18.00
Practice room, with piano, one hour daily (18 weeks)....	5.00
Use of school owned violin (18 weeks)	2.50

Locker, Lock, and Towel Rental—Students who use lockers in the Weaver Health Building are required to pay a rental of \$1.75 per semester, and \$1.25 per term (spring term and each term of summer school) for use of locker, combination lock for locker, and towel. Students who take advantage of this rental plan receive laundry service for towel and bathing suit for the entire semester or term. When lock and towel are returned at the close of the semester or term 75c of rental will be refunded.

Fee for Late Registration—Students who enroll after the first two days of a semester or term are required to pay an additional fee for \$1.00.

Fee for Change of Schedule—A fee of 50c will be charged for each voluntary change which a student makes in his schedule after it has been prepared and approved at the time of registration. Therefore, students are advised to give careful study to the program of classes and the requirements to be met before having class schedule approved. If the change in schedule is requested by the Registrar, the student will not be required to pay the fee.

OPPORTUNITY FOR STUDENT EMPLOYMENT

A limited number of students may earn a part of their expenses, such as board or room rent, by doing various kinds of work for the college, such as working in the cafeteria, bookstore, campus post office, dormitories, information offices, on the school farm, etc. Some students may also find opportu-

nity for employment clerking in Richmond stores and working in restaurants, etc., on Saturdays.

Students are advised not to enter expecting employment of this kind unless they have arranged for it in advance. Students are cautioned against attempting to do such outside work unless they are doing a very high grade of work in their classes and have a physical vigor that makes additional duties possible without endangering their health.

As a general rule students should enter prepared to pay all of their expenses for at least one semester.

STUDENT LOAN FUND

The student loan fund of the Eastern Kentucky State Teachers College is designed to help worthy students complete their education. The fund has been augmented from time to time by gifts from different individuals and organizations and is being increased annually. Upper-class students and those having high scholarship records will be given preference in granting loans. This fund makes it possible for a worthy student to borrow a small sum at a legal rate of interest on a personal note. Students who desire further information concerning this fund should see the Chairman of the Student Loan Committee.

COLLEGE BOOKSTORE AND POST OFFICE

The college bookstore and post office are located on the ground floor of the Administration Building convenient to all students. Individual lock boxes are furnished in the post office for all students occupying dormitory rooms.

All necessary books and class supplies are carried in the bookstore for the convenience of students.

THE TRAINING SCHOOL

Function—The function of the Training School is twofold; first, it trains college students in the theory and art of teaching; second, it maintains as nearly as possible an ideal elementary and secondary organization. The Training School is the center of the professional work of the college. It provides opportunities for directed observation by college classes

in theory and in professionalized subject-matter courses. It is also the laboratory where student teaching is done. The first consideration in the management of the school is to make of it a good school for the children who attend it. The value of the Training School to the state in the training of teachers is in proportion to the quality of classroom instruction the children receive.

Organization—The organization of the Training School embraces three divisions; the elementary school of six grades, the high school of six grades—both located on the campus—and a one-teacher rural school of eight grades located on the college farm near the campus. The length of the school year is nine months.

Enrollment Fees—Fees for the privilege of attending the Training School are as follows:

Elementary School, grades 1 to 6 inclusive.....	\$ 4.00 a semester
Junior High School, grades 7, 8, and 9.....	6.00 a semester
Senior High School, grades 10, 11, and 12.....	10.00 a semester

Elementary School—This division of the Training School is composed of grades one to six, inclusive. This school is located in Cammack Building which was constructed for training school use. It draws its pupils principally from the local community to which it offers special advantages. The enrollment of each grade is limited to thirty pupils.

The Model High School—The Model High School, first organized in 1906 under the management of Eastern Kentucky State Normal School and as a continuation of Walters Collegiate Institute, was reorganized in the fall of 1930, after a lapse of eight years. This school is located in the University Building which has recently been completely remodeled and especially equipped for high school use. It has a principal and seven full-time teachers. The new organization includes the junior high school, which has been a part of the Training School since 1925, and in addition the senior high school. The same high standards of scholarship, personal honesty, and courteous conduct are characteristics which permeate the spirit of the school. The school is fully accredited, and its graduates are prepared for college entrance.

Students residing outside the city of Richmond and whose homes are located more conveniently to this school than to a county high school will have their tuition paid by the County Board of Education. All others who may wish to enter the high school should make application for entrance to the Principal of the Model High School, or to the Director of the Training School, before the opening of the school term. Before new students are accepted, a transcript of their school record signed by their principal or superintendent should be placed on file in the office of the principal. Also they should send a statement telling how far they live from an accredited high school and why they wish to enter this institution. The Principal of the Model High School can then notify them whether they can be accepted.

Rural School—This school is located on the college farm near the campus. The building in which this school is located is modern and complete in every respect. Children attending this school are rural children representing all the eight grades.

Student Teaching—The prospective teacher is inducted into the art of his profession by a gradual approach, and after he has shown evidence of preparation for the work. Under the supervision and help of the training teacher he develops skills, techniques, and controls, which are considered essential to good classroom procedure. Before he is accepted for the work the applicant must have satisfactorily met certain prerequisites, including the completion of a course in Education 261, 262, 263, or 264 and he must have mastered sufficient subject-matter courses in the opinion of his advisor to enable him to do creditable teaching.

There are six training teachers in the elementary school. Those who are studying in the "Early Elementary School" curriculum or in the "Intermediate School" curriculum will be expected to do student teaching in the elementary grades of their choice, as near as can be given them.

The work in the junior and senior high school grades is departmentalized. Student teaching in the high school is done in the student's major or first minor subject according to the recommendation of his advisor.

Students majoring in the "Rural School" curriculum may do part of their practice work in the one-teacher Rural School and the remainder of it in the campus Training School.

Because of increased demands usually made upon the Training school during the second semester the following policy will be adhered to in the future:

Student teaching will be offered during the first semester to all students who are prepared for it and who must take it as part of the requirement for the "Standard Certificate" or for a degree expected at the end of the school year.

During the second semester student teaching will be open to those who have met the prerequisite before mentioned, and who were either not in attendance during the first semester or who had not passed the course in Education 261, 262, 263, or 264 at that time.

CHAPEL PROGRAMS

The College provides chapel programs on Monday, Wednesday, and Friday of each week and the third period is assigned to these programs. These programs constitute an integral part of the work of the Institution. They have been given the unqualified support and endorsement of the Board of Regents, the President, faculty, and students. Students are required to attend these programs. At a meeting of the Board of Regents on March 14, 1931, the following resolution concerning chapel programs was passed:

BE IT RESOLVED, That it is the opinion of the Board of Regents that the chapel programs are a vital part of the instruction offered by a Teachers College. Through such programs as are given at chapel, ideals are created, information disseminated, professional attitudes established, culture of many types brought to students, and school spirit developed. Because of its fundamental value we expect both students and faculty members to attend these programs. In the event a student refuses to attend chapel without being excused, we authorize the President to use such disciplinary measures as he may in his judgment deem expedient to secure cooperation and attendance from such student.

DISCIPLINE

Eastern is responsible to the State for the character and scholarship of its graduates—those who are to teach in the public schools. The institution will, therefore, ask students to withdraw from the school if they are found not to be adapted to the work of teaching, or if they are found unfit or in any way unworthy to become teachers.

But few rules and regulations are necessary. Students are to be ladies and gentlemen under all circumstances. This is the chief requirement. Parents may send their boys and girls here with the assurance that their safety, their general culture and their education will be carefully guarded.

CONCERT SERIES

It is the purpose of Eastern to surround her students with every cultural advantage. To this end much time and effort as well as large sums of money are expended to provide the finest concerts and programs. The foremost talent is employed in order that the students of Eastern may know and enjoy good music as interpreted by finished artists. Each student is able to attend these concerts without additional expense.

PUBLICATIONS

The Milestone—It is the college annual published each year by representatives of the Senior class. This publication contains photographic and statistical records of all organizations and events of the college year. The staff consists of an editor-in-chief, associate editor, business manager, and various department editors, such as art, literary, photographic, advertising, society, and joke.

The Eastern Progress—The Eastern Progress is published by the students and is the newspaper of the college. It is published twice each month during the entire year and is distributed to each student of the institution.

Eastern Kentucky Review—This publication is the official bi-monthly review published by the College. It is edited by the faculty.

HEALTH SERVICE

Eastern maintains a department of health in charge of Dr. Farris, College Physician, and students have the privilege of consulting Dr. Farris for medical advice and attention at all times. Students are given immunizations for various contagious diseases. Hospital rooms are maintained in both the men's and women's dormitories where cases of contagious diseases and other ailments are cared for. Complete physical examinations are given to those students who desire them. All students whether living in the dormitories or off the campus are entitled to free advice and service of the health department. A full-time registered nurse resides in one of the women's dormitories and gives her entire attention to the health of the student body. The physician's office is located in the Weaver Health Building and is fully equipped for medical service. Regular office hours are maintained and students are urged to take advantage of the health service.

PHYSICAL EDUCATION

Athletics—Interecollegiate athletic contests are under the supervision of the Faculty Committee on Athletics. The committee is appointed by the President. Eastern is a member of the Southern Intercollegiate Athletic Association and all athletic contests are governed by the eligibility rules of that body. Representative teams are developed in football, basketball, and tennis. These teams play a complete schedule of games with other colleges. The new gymnasium in the Weaver Health Building has recently been constructed. It provides complete facilities for all types of indoor athletics, including swimming.

Play and Recreation—Eastern affords its students opportunities for play and recreation. Recreational activities, giving credit, is required of all freshmen and sophomores. These activities offered during school hours are varied and seasonal. The aims are to develop regular habits of play, constitutional soundness, and sportsmanship. The utilitarian values of participation in such activities are stressed. Sports, such as playground baseball, volley ball, soccer, speedball, hockey, lacrosse, track and field archery, handball, lower organized games and their modifications, are offered.

Every student has an opportunity to participate in the leisure-time activities which are afforded by seasonal tournaments. These tournaments are organized through the medium of classes, societies, and recreational sections. All have an opportunity to belong to a team. These intramural programs are the vogue throughout the school year.

Eastern is well equipped with gymnasiums, tennis courts, and athletic fields to take care of the recreational and physical needs of its students.

The Swimming Pool—The swimming pool in the Weaver Health Building serves both the College and the Training School. **Only those officially connected with the Institution are permitted to use the pool.** A complete physical examination and a health certificate are required for admission. If you expect to use the pool, see the COLLEGE PHYSICIAN and arrange to take a complete physical examination. Regulation cotton bathing suits are required and admission is strictly according to schedule.

ADMISSION REQUIREMENTS

Graduation from an accredited high school with a minimum of fifteen units so chosen as to include the basic units is required for admission to the freshman class. Credit must be certified by the superintendent or principal of the high school and show graduation. Applicants, who have not graduated, may validate work by taking an examination.

Applicants for admission who have completed high school work in non-accredited institutions may validate their work by taking an examination before the committee in this institution. All applicants who successfully complete these examinations to validate work so distributed as to meet the requirements stated above are regularly admitted to the college department. The examination must include English, plane geometry, algebra, and two other subjects of one unit each.

Experienced teachers over twenty-one years of age who are unable to meet the requirements stated above are admitted to such work as they are qualified to take, but no certificate or degree will be issued until the full entrance requirements have been met. Deficiencies in entrance credit may be satisfied by transmuting college credits to secondary units.

ENTRANCE UNITS

High school credits which are acceptable for meeting the college entrance requirements are outlined below. The figures indicate the maximum and minimum number of units that may be offered in each subject.

1. **Basic Units**—English 3 units, Algebra 1 unit, Plane Geometry 1 unit.

2. **Elective**—In addition to the units required under 1, a sufficient number of units to make a total of fifteen must be offered from Groups A and B, except that not more than four units may be offered from Group B.

GROUP A

English	1½ -4	Education (including	
Foreign Languages		Psychology)	1½-1
French	1 -3	Sciences	
German	1 -3	Biology	1½-1
Latin	1 -4	Botany	1½-1
Spanish	1 -3	Chemistry	1½-1
Mathematics		General Science	1½-1
Advanced Arithmetic....	1½ -1	Geology	1½-1
Algebra	1-1½	Physics	1½-1
Solid Geometry	1½	Physical Geography ..	1½-1
Trigonometry	1½	Physiol. and Hygiene	1½-1½
History and Civics		Sociology	1½
History	1 -4	Zoology	1½-1
Civics	1½ -1		
Political Economy	1½		

GROUP B

(Only four units may be offered in this group.)

Agriculture	1½-4	Home Economics	1½-4
Bookkeeping	1½-1	Shop Work	1½-2
Commercial Law	1½	Music	1½-1
Commercial Geography	1½	Stenography	1½-1
Drawing—Freehand	1½-2	Surveying	1½
Drawing—Mechanical ..	1½-2	Salesmanship	1½

The minimum amount of credit allowed in any subject will be one-half unit.

GRADING SYSTEM

Grades are indicated by letters, to each of which is given a certain value in "grade points." The following is the interpretation placed upon the grading system:

Grade	Meaning	Grade Points per Semester
		Hour
A	Excellent	3
B	Good	2
C	Average	1
D	Poor	0
F	Failure	0
I	Incomplete	
Z	Conditioned	

The grades A, B, C, D, and F cannot be changed by the instructor. A grade of "D" gives credit toward a certificate or a degree if with such credits the student's standing is 1 or more. A grade of "I" shall be assigned only upon condition the student has been unable to complete the course on time because of unavoidable conditions. A grade of "I" must be made complete within one month after the student re-enters the institution. All grades of "I" automatically become "F" if not completed at the end of a year. The grade of "Z" shall represent a degree of attainment inferior to that of a "D" and shall not entitle the pupil to any credit but shall promote him to a sequent course in the same department specified by the instructor or head of the department. On completion of this sequent course with a grade of "D" or higher, the mark of "Z" shall be changed automatically to a grade of "D."

The standing of a student is defined as the ratio of his total number of "grade points" to his total number of semester hours credit. In order for a student to fulfill the requirements for a certificate or a degree he must offer a number of "grade points" at least as great as the number of semester hours.

EXPLANATION OF CREDITS

All work in the college is measured in semester hours, a semester hour being eighteen fifty-minute recitations. College subjects have different values determined by the number of

hours of recitations per week. The semester hour value of each course is stated in the catalog.

STUDENT LOAD

The normal load is sixteen and one-half hours for those registered as Freshmen and Sophomores and sixteen hours for those registered as Juniors and Seniors. The minimum load to be classed as a full-time student is twelve semester hours. Students with an established record of superior quality may take a maximum of eighteen hours upon the approval of the Registrar.

STANDARD OF WORK

The minimum standard of achievement to enable a student to remain in the college without question shall continue to be for a semester: eight semester hours credit and ten grade points.

(a) Failure to meet these minimum standards shall automatically exclude the student from subsequent registration except in the case of a beginning freshman. Such freshman may be registered for such load as the Registrar may assign provided the load shall not be less than $8\frac{1}{2}$ semester hours nor more than $18\frac{1}{2}$ semester hours in a semester. In each such case of reregistration a specific authorization of load shall be entered on record by the Registrar. Students admitted under this provision are automatically placed on probation for the semester.

(b) The foregoing rule setting forth automatic exclusion because of failure to meet the minimum standards may be waived by a permanent committee appointed by the President, authorized to exercise such waiver. The committee at its discretion may waive the rule and authorize the reregistration of persons with credit sufficient to classify them above the freshman year in case of failure to meet the minimum standards in one semester.

(c) The committee at its discretion may permit by waiver the reregistration of a person in the freshman year after that person has been readmitted once and had a load assigned by the Registrar as provided in (a) above and has failed the second time to meet the minimum standard.

WITHDRAWALS

Occasionally home conditions or some other factor make it necessary for students to withdraw. In such cases the student must see the President and arrange for the withdrawal. Any student who quits school or withdraws without securing the approval of the President may not register again unless the President sees fit to reinstate him.

ALUMNI ASSOCIATION

The purpose of this organization is to promote fellowship among the ever-increasing number of graduates and to stimulate a mutual interest between the institution and her former students.

All members of the Alumni Association are to remain members regardless of the work completed at the time they were accepted into membership. The completion of the requirements for a degree is a prerequisite to membership for all new members.

COMMENCEMENT

Attendance at Commencement—All students who are candidates for the Standard Certificate and those who are candidates for a degree are required to participate in the commencement exercises unless excused by the President.

Who May Participate in College Commencement Exercises—Participation of students in college commencement exercises is restricted to those who have satisfied the requirements for the Standard Certificate or for a degree at the time of commencement. Students who satisfy these requirements at times other than the second semester will receive their certificates or their degrees immediately following the completion of the work and will be regarded as of the graduating class immediately succeeding the completion of the work.

STUDENT ORGANIZATIONS

The student organizations, societies, and clubs at Eastern are varied enough in their activities to include the interests of all the students. While the membership in them is voluntary,

all students find it to their advantage to identify themselves with at least one of these activities. Students receive in these extra-curricula activities a type of training which is impossible for them to get in the classroom. These organizations make it possible for students to enjoy a measure of social life along with their professional and intellectual activities.

Name of Organization	Qualifications for Membership
Departmental Clubs:	
Biology Club	Open to students who are taking a major or minor in the Biology Department. Membership is by election.
Canterbury Club	Open to students who are English majors and first minors and who have a scholastic standing in English of "B" or higher. Membership is by election.
Elementary Council	Open to students who are majoring in Early Elementary Education or Intermediate Education, and to students who are enrolled for Education 261 or 263.
Home Economics Club	Open to students who are taking a major or a minor in Home Economics. Membership is by election.
Physical Education Club	Open to students who are taking a major or a minor in Physical Education. Membership is by election.
Sigma Lambda Society	Open to students who are taking a major or a minor in the Department of Foreign Languages. Membership is by invitation.
Sigma Tau Pi	Open to students who are enrolled in one or more courses in the Department of Commerce. Membership is by invitation. There is a probation period of nine weeks for all new members.
Social Science Club	All majors and minors of Social Science and all Social Science service instructors shall be active members of the organization.

World Affairs Club

Membership in this club shall be of two classes—(1) active, and (2) associate. Active membership shall be invitational and limited to the majors and minors in the Department of Geography and Geology. Eligibility is based upon a general average of 1.5 and a departmental average of 2.0. Associate membership shall be invitational and is open to all faculty members and students of the college. Associate members shall be non-voting members.

CHRISTIAN ASSOCIATIONS

The institution is not denominational in any sense. Its positive influence, however, is religious and Christian. Students are urged to select a church home in Richmond and to attend the Sunday Schools in the City. The Young Men's Christian Association and the Young Women's Christian Association have a large membership. The Young Women's Christian Association meets every Sunday evening in a devotional meeting. These organizations are doing a great work in the school and new students should join them and become active workers.

Literary and Dramatics:

Alpha Zeta Kappa

Open to all students who are interested in the intelligent discussion of public questions. Membership is by election.

Horace Mann Society

Open to all students in the College who are interested in public speaking and debating. Membership is voluntary.

Little Theatre Club

Open to all students. Membership is by election. Each applicant is required to appear in a "try-out" play before the Club members.

Rural Life Club

Open to all students who are interested in problems of rural life. Membership is voluntary.

Musical Organizations:

College Band	Open to any student who has the ability to play any one of the instruments usually found in a college band. Some of the instruments are furnished by the College.
Madrigal Club	Open to all women students of the Institution. The ability of the student is the basis of selection. Membership is limited to thirty students.
Men's Glee Club	Open to all men students in the Institution. The ability of the student is the basis of selection. Membership is limited to twenty-five students.
Orchestra	Open to all students; however, new members are admitted only as vacancies occur.
Professional:	
Caduceus Club	Open to students who are doing pre-professional work in medicine, dentistry, and nursing. Membership is by election.

EXTENSION DIVISION

Through the Extension Division Eastern provides a Bureau of Appointments, correspondence courses, extension-class instruction, lectures, and various other types of public school service.

Bureau of Appointments—Through the Bureau of Appointments the institution aims to assist both teachers and employers in securing better positions and better trained teachers. Special consideration is given to the graduates of Eastern. All the services of the Bureau of Appointments are free.

Correspondence Courses—Correspondence courses are prepared and conducted by regular members of the faculty and are, in so far as possible, identical with residence courses.

Extension Classes—Regular members of the faculty conduct extension classes in cities and communities where teachers desire to pursue work in class groups in practically the same way as they would in residence. The cost of extension class instruction is reasonable. For further details see Extension

Division bulletin or write Director of Extension Division for additional information.

Restrictions on Extension Work—The candidate for a degree must do at least three-fourths of the work in his major and in each of his minor fields in residence in this institution or in some other, provided that one-fourth of his major and each minor must be done in Eastern in residence. This rule shall not invalidate credit earned before September 1, 1929.

The candidate for a degree or a standard certificate must do in residence at least one course in each department in which as many as two courses are offered toward that degree or certificate. This rule shall not operate to invalidate credit earned before September 1, 1929.

Residence, or study in residence, shall be construed to mean study and recitations, laboratory exercises, etc., on the ground of Eastern Kentucky State Teachers College or under similar conditions at some other standard institution, with satisfactory access to library and other facilities appropriate to the courses taken.

Not more than 12 semester hours of credit may be earned by extension within a calendar year. Not more than 12 semester hours of credit earned after the student has acquired 96 hours credit may be offered towards a degree if earned in extension. In other words the candidate for a degree is supposed to do 20 semester hours of work of his senior year in residence.

The Extension Division Bulletin—The Extension Division Bulletin gives full information concerning correspondence and extension class instruction and all the facilities of service of this Division. This bulletin may be had upon request.

REQUIREMENTS For DEGREES AND CERTIFICATES

Before you enroll study the contents of the bulletin entitled **EXPERIMENTAL CURRICULA** (in back of this catalog) to determine requirements for certificates and degrees. You are held responsible for the required courses for a given certificate or degree. Therefore, it is highly important that you understand the requirements and plan your work to fulfill them.

These curricula are outlined for the sole purpose of guiding you in planning your college course. Choose the outlined curricula of your choice before you register. If there are questions or problems which you do not understand, ask the Registrar or some member of the Classification Committee to answer them for you.

DIVISIONS OF INSTRUCTION

NUMBERING OF COURSES

Courses are numbered according to the following scheme:

Courses numbered 100 to 199 inclusive are for Freshmen and Sophomores.

Courses numbered 200 to 299 inclusive are for Sophomores and Juniors.

Courses numbered 300 to 399 inclusive are for Juniors and Seniors.

Before Juniors and Seniors are permitted to take courses numbered 200 to 299 inclusive, they must secure the approval of the head of the department and of the chairman of the curriculum committee. When such permission is given, full credit on these courses will be allowed.

Before Juniors and Seniors are permitted to take courses numbered 100 to 199 inclusive, they must secure the approval of the head of the department and of the chairman of the curriculum committee. When such permission is given, only 75% of the credit on these courses will be allowed.

DIVISION OF APPLIED ARTS AND SCIENCES

Mr. Moore	Mr. Carter	Miss Gill
Miss Adams	Mr. Deniston	Mr. Gumbert
Miss Burrier	Miss Dix	Mr. Richards
	Miss Ford	

Agriculture

Mr. Carter

Mr. Gumbert

Agriculture 100. General Agriculture. (2 hours.)

Purpose: A course primarily intended for those students who expect to teach agriculture in the seventh and eighth grades.

Topics: This course consists of a broad general study of soils, cereal and forage crops, live stock, poultry and vegetables. Much emphasis is placed on correlation, lesson plans, method and procedure of teaching seventh and eighth grade agriculture. This course should be helpful to county school superintendents and principals of rural schools as well as grade teachers. Use is made of some elementary texts, bulletins, and assigned reading.

Agriculture 111. Farm crops. (3 hours.)

Purpose: This course is designed to give the student a practical knowledge of the best methods in the selection, production and disposition of the cereal and forage crops of the region.

Topics: Cereal and forage crops; crop improvement; storage and marketing; crop rotation; judging grain; testing seeds.

Agriculture 126. Farm Poultry. (3 hours.)

Purpose: This course is planned to give the teacher that desire and knowledge necessary to initiate the best methods in the establishment, improvement, care, feed and management of poultry in his community.

Topics: Breeds; poultry house construction; feeds; balanced rations; poultry diseases; egg production; meat production; culling of flock pests; grading and marketing poultry products.

Agriculture 131. General Horticulture. (3 hours.)

Purpose: The purpose of this course is to acquaint the student with the best methods and practices in the care and management of the farm orchard and vegetable garden.

Topics: Equal time is devoted to a study of fruit and vegetable production. The farm orchard is taken as a basis and laboratory for the study of selection of type of soil, site, grafting and budding, planting, fertilizing, cultivation and general management of the orchard with special work in pruning and spraying. Small fruits also receive some attention. Assigned library references and practical work with hotbeds and cold frames in the production of early vegetables result in a working knowledge of gardening.

Agriculture 215. (Formerly 115.) Soils. (3 hours.)

Prerequisite: Chemistry 211.

Purpose: To give the student a thorough knowledge of soil physics and soil management; to summarize the best principles and methods of soil improvement and fertility.

Topics: A study of the properties and management of soils; harrowing and cultivation; organic matter, bacterial action and optimum conditions for growth of plants; the origin, the weathering and types of soils; plant foods; crop requirements and fertilizers; rotation of crops as means of soil preservation.

Agriculture 221. (Formerly 121.) Feed and Feeding. (3 hours.)

Prerequisite: Chemistry 211.

Purpose: To give the student a thorough knowledge of the cost, composition and comparative feeding values of feeds; to point out the uses of the food nutrients and the parts they play in growth, maintenance and production of the product; to study the feed requirements of the various farm animals and how to balance rations to suit their needs.

Topics: Digestive systems of farm animals; digestion; composition and digestibility of various feeds; origin and history of scientific feeding; methods and principles of calculating and balancing rations; home grown feeds such as corn, oats, wheat, rye, barley and their by-products, also roughages such as silage, straw, corn fodder, grass hays and the important legumes with the object to balance rations at least cost.

Agriculture 223. Market Milk. (4 hours.)

Purpose: To study the problems that confront producers and distributors of market milk and milk products.

Topics: Market milk; milk as a food; milk in its relation to public health; bacteriology of milk; dairy farm inspection; scoring milk and cream; cost of milk production; milk plants; pasteurization; refrigeration, etc.

Agriculture 224. Dairy Cattle Management. (2 hours.)

Purpose: To bring the student into close contact with the dairying business.

Topics: Dairy breeds; judging; breeding; feeding; calf raising; pedigrees; advanced registry; dairymen's association; dairy barn construction; equipment, etc.

Agriculture 228. Swine and Pork Production. (3 hours.)

Purpose: To teach the best practices and principles involved in the economical production of pork on the farm.

Topics: Feeding and handling the herd in the breeding season; the management and feeding of the breeding herd in the winter; care, feed and management of the sow and litter; feeding and care of growing and fattening pigs; choosing a forage crop and methods of feeding on forage; grains and corn substitutes for growing and fattening pigs. Considerable time is spent in a study of breeds, principles of

breeding, judging, markets, and the prevention of hog diseases. Frequent trips are made to study the practices of successful hog raisers.

Agriculture 243. Rural Sociology. (3 hours.)

Purpose: To study conditions and influences that affect the welfare of rural people.

Topics: Rural life; movement of population; isolation of rural people; agricultural production; farm tenancy; rural health; rural homes; rural churches, etc.

Agriculture 251. Farm Engineering. (3 hours.)

A course involving a study of farm machines, their operation and care; farm structure; use of concrete on the farm, and the principles of drainage.

Agriculture 341. (Formerly Agriculture 241.) Agricultural Economics. (2 hours.)

Purpose: The purpose of this course is to give the student an idea of the economics which may be introduced into the agricultural industry and of the different elements composing the resources of the farmer.

Topics: Farm operation; farm equipment; the size of farms; farm labor and wages; farm credit; insurance needs of the farmer; tenant farming; rent and profit; marketing; farm products; crop estimates and forecasts; price fixing and the cost of farm products; the social side of farm life; the future of the farmer, etc.

Agriculture 345. Farm Management and Farm Accounts. (3 hours.)

Purpose: To give the student practice in applying the fundamental principles and knowledge of good business methods in farm enterprises. To enable the student to recognize symptoms, diagnose the ailments of unsuccessful farms, and prescribe remedies.

Topics: Personal characteristics desirable in farmers, profits, cost of living, types of farming, maintaining soil fertility, live stock problems, farm labor, farm rents, farm equipment, farm layout, farm inventories, cost accounts, etc.

Agriculture 348. Marketing. (2 hours.)

Purpose: To study the underlying principles of cooperative marketing.

Topics: The history of cooperative marketing; farmers' associations non-political in their nature; farmers' associations in politics; farm blocs; pooling the pool that controls production; dealing with non-pool producers; the Federal Farm Board.

Practicums: Practicums will be available to a limited number of students who have the necessary prerequisites. In order to enroll for a practicum the student must first have the sanction of the instructor in charge of the work. As a general rule, a practicum carries a credit of one hour. Students who already have a standard load will not be allowed to carry practicums for credit without approval of the Registrar.

Hours and assignments will be arranged for with the instructor in charge. For example, if a student desires a practicum in poultry management, the assignment will be made by the instructor of the particular work. The course will be listed on the student's schedule card as Agriculture 126a, Practicum in Farm Poultry. The same procedure will apply in other courses where practicums may be offered.

Commerce

Mr. Moore
Miss Ford

Miss Gill
Mr. Richards

Commerce 101. An Introduction to Business and Industry. (2 hours.)

Purpose: To give the student a view of the entire business field; to appraise the opportunities for success in the various branches of industry; and to analyze the requirements for individual success in the various branches of industry.

Topics: The most important industries of the country, such as aluminum, automobile, banking, chemical, construction, copper, cotton, electric, iron and steel, lead, leather, paint, packing, lumber, petroleum, rubber, water power, wool, zinc, etc.; the most important business concerns of the country; the number of people employed in the various industries, etc.

Commerce 121. Business Arithmetic. (2 hours.)

Purpose: To prepare the student for Commerce 122, and to provide the student with sufficient information to teach business arithmetic in the high school.

Topics: Rapid calculation in the fundamental processes; drawings and graphs; percentage; buying and selling merchandise; commercial discounts; recording purchases and sales; paying for goods; collecting bills; accounts; taking inventory; interest; discounting notes and other commercial papers; wages and pay rolls; postage, freight, and express rates; property insurance; taxation.

Commerce 122. Principles of Accountancy. (4 hours.)

Prerequisite: Commerce 121.

Purpose: To prepare the student for teaching the subject and for practical accounting and bookkeeping work. The course is also of infinite value to students interested in business administration.

Topics: A laboratory set of books is kept for the sole proprietorship. Vouchers are provided to make the laboratory work as practicable as possible. The balance sheet; the profit and loss statement; the philosophy of debit and credit; mixed accounts; periodic work on the ledger; journals; business forms and vouchers; the trial balance and methods of locating errors; controlling accounts; the work sheet; balance sheet valuation, et cetera.

Commerce 124. Economic History of Europe. (3 hours.)

Purpose: To familiarize the student with the evolution of the economic activities of the leading nations of Europe. Emphasis is placed upon modern times, but the medieval period is not neglected.

Topics: The history of agriculture; commerce; transportation; industry; labor legislation; socialism; social insurance; population and population trends; and finance of the principal European nations is studied.

Commerce 125. Principles of Economics. (3 hours.)

Purpose: To acquaint the student with the principles of economic theory.

Topics: Industry; the science of economics; wealth; capital; income; specialization; exchange; agents of production; risk; price levels; business cycles; international trade; and value.

Commerce 131. Elementary Penmanship. (1 hour.)

Purpose: To teach the principles of good handwriting; to afford practice in executing these principles; to develop an appreciation of good handwriting.

Topics: The elements of good handwriting; arm movement and how to develop it; analysis of various letters of the alphabet; much drill for movement and form.

Commerce 132. Advanced Penmanship. (1 hour.)

Purpose: This course is a continuation of Commerce 131. Its purpose is to develop greater skill in writing and to give instruction in how to teach penmanship.

Topics: Methods of teaching penmanship; what constitutes a high degree of skill in handwriting; regular size, slant, and spacing.

Commerce 151. Beginning Typewriting. (3 hours.) Fee, \$2.00.

Purpose: To develop proper technique at the typewriter; to attain a minimum speed of twenty words per minute on the typewriter.

Topics: Mechanics of the typewriter; the keyboard; word drills; sentence drills; paragraphing; styles of letters; the general make-up of a letter; how to make a letter attractive; special characters not on the keyboard; foundations of speed.

Commerce 152. Advanced Typewriting. (3 hours.) Fee, \$2.00.

Purpose: To develop speed and accuracy in typewriting; to develop an understanding of the theory of typewriting which will enable the student to teach it. A speed of forty words a minute is required.

Topics: Speed tests; practice on material which will develop speed and accuracy; writing business letters; punctuation; tabulation; legal forms; copy work; spacing; various other business forms.

Commerce 201. Business English. (3 hours.)

Prerequisite: English 101.

Purpose: To develop skill in the use of clear, concise, and forceful English in the writing of business letters.

Topics: The essential qualities of business writing; addressing the letter; the sales letter; appeals to special classes; follow-up letter; inquiries, orders, and responses; credit letters; collection letters;

adjustment letters; the letter of application; business reports; style studies.

Commerce 209. Business Organization. (3 hours.)

Purpose: To acquaint the student with the different types of organizations doing business, and to develop an attitude toward big business which will help bring about a better understanding of business problems.

Topics: Classes of business organization, their evolution, and the tests of efficiency; individual entrepreneur organization; partnership; corporation; joint-stock company; business trusts; simple agreements and price combinations; pools; combination trusts; community-of-interest organization holding company; amalgamation; merger; promotion; underwriting; the stock exchange; reorganization and receivership; trust legislation; evils and causes of trusts; remedies.

Commerce 210. (Formerly 321.) American Economic History. (3 hours.)

Purpose: To give the student an understanding of the economic development of the United States.

Topics: Commerce; industry; transportation; banking; labor problems; business organization; monetary problems; and agriculture.

Commerce 215. (Formerly Commerce 115.) Beginning Shorthand. (5 hours.)

Purpose: To master the principles of Gregg shorthand and to develop a fluent and legible style of writing.

Topics: The principles of Gregg shorthand as outlined in the Gregg Manual; shorthand penmanship drills; supplementary reading; daily dictation including words of high frequency, sentences, and letters; vocabulary tests; transcription.

Commerce 216. (Formerly Commerce 116.) Advanced Shorthand. (3 hours.)

Prerequisite: Commerce 215.

Purpose: To develop speed in taking dictation and in transcribing.

Topics: A review of the principles; supplementary reading; dictation and transcription of literary articles and various types of letters; vocabulary and transcription tests.

Commerce 220. Principles of Accountancy. (2 hours.)

Purpose: This course is a continuation of Commerce 122. The laboratory set gives practice in partnership accounting.

Topics: A more thorough consideration of controlling accounts and practice in handling them in a laboratory set is provided. The characteristics of a partnership; relation of partnership to accounting; formation of a partnership; division of profits; admission of a new partner; retirement of a partner; dissolution of a partnership.

Commerce 221. Principles of Accountancy. (3 hours.)

Purpose: This course is a continuation of Commerce 220. The laboratory set gives practice in corporation accounting. The student

should be able to do ordinary accounting and bookkeeping work after completing this course.

Topics: Analysis and interpretation of statements; nature and characteristics of a corporation; proprietorship in the corporation; the formation and operation of a corporation; accounts and records peculiar to a corporation; fixed and intangible assets; long-term liabilities; manufacturing accounts.

Commerce 222. Practical Economic Problems. (3 hours.)

Purpose: To introduce the student to some of the elementary problems of applied economics.

Topics: Money and banking; labor problems; the trusts; railroads; monopolies; taxation; social insurance.

Commerce 224. Money and Banking. (3 hours.)

Prerequisite: Commerce 122.

Purpose: To provide information in the field of money and banking and to give the student practice in keeping a set of books in banking.

Topics: Accounting principles applied to banking methods of banks in keeping records; interpreting bank statements; kinds, forms and origin of money; history of banking; functions of the bank; administration; the national banking system; deposits and depositors; the clearing house; domestic and foreign exchange; loans and discounts; bank supervision; savings banks; trust companies; foreign banking systems; the federal reserve system.

Commerce 225. Accounting Problems (2 hours.)

Prerequisite: Commerce 122, 220, 221.

Purpose: To acquaint the student with some of the problems met in various fields of accounting; to introduce the student to the principles of auditing and C. P. A. problems.

Topics: Qualifications of an auditor; purposes of an audit; various accounts to be checked; assembling data for an audit; determining content of the report; form of report and certificates, organization for accounting control; analysis of borrowers' financial statements; foreign exchange accounting; savings bank accounting; bituminous coal mine accounting; precious metal mine accounting; ranch cost accounting; contractors' accounts; accounting in the coffee trade; principles of department store accounting; hotel accounting; municipal accounting; the organization and accounts of a public account's office.

Commerce 241. Salesmanship. (3 hours.)

Purpose: This course is designed to give valuable information in the field of selling to those desiring to teach the subject and those expecting to do actual selling.

Topics: The art of selling; the motives behind all buying; the customer's mental journey; attitudes of buyer and salesman; preparation of the selling talk; the pre-approach; the interview; arousing interest; creating desire. Some time will be given to answering

objections; how to meet excuses; the diplomacy of the close; types of customers.

Commerce 242. Advertising. (2 hours.)

Purpose: To acquaint the student with some of the economic and psychological principles of advertising.

Topics: Factors which determine the kind and extent of advertising; the trade-mark; psychological factors in advertising; the chief human needs; relative strength of tendencies and interests; laws of attention applied to advertising materials; establishing associations and making them dynamic; the nature and purpose of advertising copy; substance of the copy; principles of form, color, ornament, and type; laying out the advertising; media; analyzing circulation; determining the value and the results of advertising.

Commerce 261. Methods of Teaching Commercial Subjects in the High School. (2 hours.)

Purpose: To provide materials and methods for the prospective teacher of commercial subjects in the high school.

Topics: Methods in the following subjects: Bookkeeping, typewriting, shorthand, salesmanship, business law, business English, business arithmetic, penmanship, and office practice; making a commercial curriculum; purposes and aims of commercial subjects in the high school; tests in the various subjects; commerce clubs; placement and follow-up.

Commerce 263. Practice Teaching in Commerce. (2½ hours.)

Purpose: To provide experience for the prospective commercial teacher.

Topics: Practice under supervision; grading papers; administering and checking tests; preparation of papers on topics related to the student's major interest; outlines of the subject taught.

Commerce 303. (Formerly 203.) Secretarial Practice. (3 hours.)

Prerequisite: Commerce 215, 216, 151, 152.

Purpose: To develop speed in transcribing; to familiarize the student with office procedure.

Topics: Advanced dictation and transcription including a study of vocabularies of leading lines of business; effective arrangement and display of typewriting; duties of a secretary; dress, deportment, and office ethics; use and care of office machines; selection of office supplies; filing; use of office reference books; reporting speeches and meetings; actual stenographic experience.

Commerce 305. Business Law. (3 hours.)

Purpose: The purpose of this course is to familiarize the student with the principles of law which affect his everyday business relationships, and to enable him to teach the subject in high school.

Topics: Law in general; kinds of law; contracts; sales; agency; partnerships; corporations; negotiable instruments; bailments and carriers; insurance; personal property; real property; suretyship and guaranty; bankruptcy.

Commerce 306. Business Law. (3 hours.)

Purpose: This course is a continuation of Commerce 205. It includes cases and takes up phases of business law not covered in the course mentioned above.

Topics: Corporation problems; notes; drafts; deeds; mortgages; insurance.

Commerce 324. Bank Accounting. (2 hours.)

Prerequisites: Commerce 122 and 224.

Purpose: To provide information in the field of banking and to give the student practice in keeping a set of banking books.

Topics: Accounting principles applied to banking; banks and their organizations; the business of a bank; the internal organization of a bank; the clearing house; books of account; accounts; statement of the business.

Commerce 330. Public Finance. (3 hours.)

Prerequisite: Commerce 125.

Purpose: To give the student an understanding and appreciation of the scope and importance of public finance in the operation of modern governments.

Topics: The meaning and scope of public finance; development of public finance; public expenditures, their classification, growth, economic effects; the forms of public revenue—the public domain, the industrial domain, administrative revenues, taxation; public credit, its nature and uses, its forms; financial administration and legislation. Under the heading of taxation are discussed such topics as the following: the meaning and development of taxation; some requisites of a sound tax system, the distribution of the tax burden; means of escape from taxation; the general property tax; modified property taxes; taxes on corporations; consumption and other excise taxes; taxes on incomes; estate and inheritance taxes.

Commerce 340. Investments. (3 hours.)

Prerequisite: Commerce 125.

Purpose: To give the student information concerning the fundamental principles of sound investments; to help the average person to work out a plan for his investments; to teach the importance of thrift and saving.

Topics: The importance of capital in present day economic society; classification of securities; analyses of securities; possibilities of investment in different classes of securities; financial institutions; the mechanics of investments; the effect of taxation on investment policies; investment and the business cycle; business forecasting; the determination of an investment policy.

Commerce 342. Advertising Procedure. (2 hours.)

Prerequisite: Commerce 242.

Purpose: This course has a three-fold purpose: (1) To give those students expecting to teach commerce a more thorough knowledge of advertising than can be obtained in Commerce 242; (2) To inform those people who, later in life, will have advertising done,

about certain very essential phases of procedure to follow; (3) To give important information to those students contemplating the advertising field as a profession.

Commerce 343. Marketing. (3 hours.)

Prerequisite: Commerce 125.

Purpose: To provide the student with information in the economics of distribution, distributive agencies and their functions.

Topics: Consumers' buying motives; marketing functions and institutions; selling direct to consumer; earlier and simpler types of retail institutions; department stores; mail order houses; chain stores; agricultural wholesale markets; middlemen of the city agricultural markets; classes and types of wholesalers; raw materials; cooperative marketing; speculation; prices and some price policies; brands and brand policies; ethical aspects of marketing.

Home Economics

Miss Dix

Miss Adams

Miss Burrier

Home Economics 101. Nutrition and Food Preparation. (3 hours.) Laboratory fee, \$6.00.

Purpose: To familiarize the students with the general composition of foods and their place in the diet; to teach the fundamental principles of preparation of foods most commonly used in the home.

Topics: Choice, preparation and serving of foods suitable for breakfasts, luncheons, dinners, suppers, and teas. Each series of units of work is completed with the planning and preparing and serving of the meal of that unit.

Home Economics 103. Source, Selection, and Cost of Foods. (2 hours.) Laboratory fee, \$1.00.

Purpose: To familiarize and aid in solving marketing problems of the home and to acquaint the prospective teacher with the various grades of food and marketing conditions.

Topics: Source, selection and comparative costs of foods used in the home; preparation and comparison of dishes made from various grades of the same foods.

Home Economics 110. Textiles. (2 hours.) Laboratory fee, \$1.00.

Purpose: To acquaint the student with standard fabrics on the market suitable for clothing and house furnishing; to give the student a knowledge of the proper treatments in the laundering of the various classes of textile fibers; to develop in the student an appreciation of good textile fabrics and to develop an understanding of the student's responsibility as a consumer and a teacher.

Topics: Microscopic study of fibers; simple household tests for the determination of fiber content; reaction of acids and alkalies on the various fibers; study of the manufacture of fibers and fabrics, identifying materials by commercial names; economical and social aspects of textile purchase; removal of stains; laundering.

Home Economics 111. Garment Making. (3 hours.) Laboratory fee, \$2.00.

Purpose: This course is designed to acquaint the student with the fundamentals of garment construction. Emphasis is placed on both hand and machine sewing. It also aims to develop an appreciation for artistic clothing so the individual may more wisely select ready-made garments.

Topics: Study of the sewing machine and attachments; making of simple foundation patterns; selection of materials suitable for simple wash dress, kimona, or gown; study of materials, colors and designs suitable for various undergarments; care and repair of clothing; clothing budgets.

Home Economics 201. Meal Planning Preparation and Serving. (3 hours.) Laboratory fee, \$7.00.

Prerequisite: Home Economics 101 or its equivalent.

Purpose: To enable the student to plan, prepare and serve well-balanced meals of the home types at varying costs; to familiarize students with different types of table service; to give them an opportunity to more extensively study table etiquette.

Topics: Principles of a well-balanced meal; preparation and serving of well-planned meals with different types of services; study of the respective duties of host, hostess, guests, members of the family, and waitresses; computation of costs of various types of meals; table decorations and accessories for various occasions; care of table linens.

Home Economics 202. (Formerly Home Economics 102.) Advanced Cookery. (3 hours.) Laboratory fee, \$5.00.

Prerequisite: Home Economics 101.

Purpose: To develop skill in the variations of food cookery; to acquaint the student with all the possible variations of any one dish; to develop a wide variation of food in meal planning.

Topics: Study of standard recipes and all the variations of the standard recipe; suitability of the variations to various menus; a study of the cost of the variations as compared to the standard recipe.

Home Economics 212. (Formerly Home Economics 112.) Dress-making. (2 hours.) Fee, \$2.00.

Prerequisite: Home Economics 111 or its equivalent.

Purpose: The purpose of this course is to let the student acquire knowledge of appropriate and becoming clothing; to aid the student in interpreting commercial patterns; to create in her a confidence in cutting, fitting, and altering commercial patterns to suit an individual; to teach the economic values of renovation and remodeling through a practical problem.

Topics: Study of line, color and design in materials suitable to different types of figures; alteration of commercial patterns; special treatments in cutting, fitting, construction and finishing of dresses of cotton, linens, and silks; remodeling of wool dresses.

Home Economics 213. (Formerly Home Economics 113.) Care and Selection of the Wardrobe. (2 hours.) Not open to Home Economics majors.

Purpose: This course is planned for students who wish to make an intelligent study of their wardrobes and know more about the selection of ready-made clothing, but do not wish to sew.

Topics: The clothing budget; planning the wardrobe with special emphasis on kinds, numbers, suitability of garments and accessories; purchasing habits; a study of cost and method of caring for clothing.

Home Economics 222. Interior Decoration. (2 hours.) See Art 222.

Home Economics 223. Home and Social Problems. (2 hours.) Open to men students only.

Purpose: To create in boys a desire for higher home and social standards, thus helping them for the job of home making and more efficient citizens.

Topics: Nutrition, meal planning and home cookery; standards of social conduct and home relationships; choice and care of clothing; economic aspects of home making; camp cookery; first aid.

Home Economics 224. Household Equipment. (2 hours.)

Purpose: To familiarize girls with various types of modern household furnishings and enable them to more wisely purchase equipment of various types; to help them realize the value of labor saving devices in the home.

Topics: Laundry and kitchen furnishings including electric and non-electric; cleaning equipment; bedding, linens, china, glassware, and silver; floor coverings, etc.

Home Economics 225. Family Relationships. (2 hours.)

Purpose: To study the family as an organization considering it from an economic and social standpoint.

Topics: Psychological factors which go to make happy family life; place of children in the family; economic independence of women; home-making as a profession; distribution of the family income.

Home Economics 231. Home Nursing. (2 hours.) See Health 231.

Home Economics 301. Dietetics. (3 hours.) Laboratory fee, \$2.00.

Prerequisites: Home Economics 101, 201, 202, Chemistry 313 and Biology 381, or registration in Biology 381.

Purpose: To give students an opportunity to know nutritional values of foods; to apply the fundamental principles of human nutrition to the feeling of individuals under various physiological, economic and social conditions.

Topics: Composition of common foods; requirements of the body under different living conditions; dietary problems; prevention of diseases through the diet.

Home Economics 315. Costume Design. (2 hours.) See Art 251.

Home Economics 316. Tailoring. (2 hours.) Laboratory fee, \$2.00.

Prerequisite: Home Economics 212.

Purpose: The ultimate aim of this course is to give prospective teachers experience in the handling of woolen materials and to acquaint them with principles of tailoring.

Topics: Cutting, fitting, constructing and finishing a tailored dress for an adult and a coat for either an adult or a child.

Home Economics 321. Home Management. (5 hours.)

Prerequisites: Home Economics 101, 201, 103, and junior or senior standing.

Students must see the head of the Home Economics department for appointment to live in the Home Management House. Reservations should be made several weeks prior to the beginning of the semester.

Home Economics 331. Child Care. (3 hours.)

Prerequisites: Education 111 and 213.

Purpose: To teach girls the proper care of the prospective mother, to teach them how to clothe, feed and care for an infant, and to study the correct habits of a child and the importance of these habits.

Topics: Prenatal care of the infant; assembling of a layette; infant nutrition; daily care of the infant; the pre-school child.

Home Economics 361. Materials and Methods for Teaching Vocational Home Economics. (3 hours.)

Prerequisites: Eighteen hours of Home Economics, Education 111, 213.

Purpose: To give the student experience in the evaluation of teaching Home Economics subjects; experience in the organization of materials for the teaching of these subjects; experience in the coordination of school work with life's activities.

Topics: Underlying principles of teaching; methods of presentation of various subjects and topics; observations of teaching; laboratory equipment; types of laboratories; books and periodicals.

Industrial Arts

Mr. Deniston

Industrial Arts 141. Elementary Cabinet Making. (3 hours.) Laboratory fee, \$6.00.

Purpose: The purposes of this course are to study furniture making as it may be taught to high school and vocational classes, and to consider the organization and teaching of such work in the schools.

Content: A study of the common hand tools, various kinds of woods, simple machine operation. While the work is largely individual, there will be an opportunity for the class as a whole to receive instruction on details of construction, glueing, scraping, sanding, finishing, upholstering, and costs of materials.

Industrial Arts 191. Elementary Mechanical Drawing. (3 hours.) Laboratory fee, \$6.00.

Purpose: Given in the foundation course for mechanical and architectural drawing.

Topics: This course is for students who have never studied any phase of mechanical drawing. A time limit is set upon each drawing suitable for the average student. The work covers the study of lettering, drafting room conventions, inking, tracing, and blue printing. Free hand sketches of problems are given to the student from which working drawings are made.

Industrial Arts 222. Primary Handicraft. (2 hours.) Laboratory fee, \$4.00.

Purpose: A course dealing with the typical forms of industrial arts applicable to the conditions in the primary grades.

Topics: A study of subject matter, methods, and the use of materials involving lectures, readings, reports, discussions, observations and laboratory work.

Industrial Arts 233. Industrial Arts Design. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 191 or Art 161.

Purpose: To give the student a working knowledge of applied industrial design; to enable the student to select and enjoy good commercial design.

Topics: The fundamental principles of constructive, decorative and pictorial art are studied. The problems given involve the practical application of these principles to the various articles made in other shop courses. Actual classroom work is done in designing and rendering with pencil, pen, ink, and color.

Industrial Arts 242. Advanced Cabinet Making and Mill Work. (2 hours.) Laboratory fee, \$4.00.

Prerequisites: Industrial Arts 141 and Industrial Arts 191.

Purpose: This course is provided for the purpose of instruction and practice in the care and use of woodworking mill tools and machinery and in methods of preventing accidents in operation.

Content: Practical work consists of: making mill bill; figuring lumber bill; selection of material; cutting stock; face marking; laying out stock; machining stock and necessary bench work. Related information will be given concerning drying and care of lumber, finishing of products, proportioning of joints, different ways of doing work, trade terms, and order in which to give dimensions.

Industrial Arts 244. Elementary Wood Turning. (2 hours.) By appointment. Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 141.

Purpose: To teach the student the use of the modern power wood lathe.

Topics: This course deals with the various methods in turning in hard and soft wood; it includes work between centers, face plate and chuck turning, finishing and polishing, and the sharpening and care

of tools used. Speed for different types of stock, the various materials used in turning and turning as a trade are also included.

Industrial Arts 245. Advanced Wood Turning. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 244.

Purpose: To give the student additional information and practice in the use of the lathe.

Topics: In this course the student designs his own projects. The different type of lathes, logical arrangements in shop, management, and the teaching of wood turning will receive special attention.

Industrial Arts 249. Wood Finishing and Decoration. (2 hours.) By appointment. Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 141.

Purpose: To familiarize the student with the different methods of finishing and decorating.

Topics: The work offered in this course covers the making of a series of panels showing the methods and value of the different types of finishes. In addition students are given practical work in painting, interior finishing, and the refinishing of furniture. Lectures will be given upon the different materials used.

Industrial Arts 281. Auto Mechanics. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 191.

Purpose: Given to acquaint the student with the theory of gas engine and automobile assembly.

Topics: A study of the various parts of the automobile, such as axles, springs, transmission, power plants, and repair jobs on these units. A thorough study of electricity as applied to the automobile, including storage batteries, ignition, wiring, starters, generators, and lighting is included.

Industrial Arts 292. Elementary Machine Drawing. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 191.

Purpose: To teach technique, speed, and accuracy in the making of detailed drawings, assembly drawings in accordance with standard drafting room conventions.

Topics: A study is made of the principal forms of bolts, screw threads, nuts, and conventions. The student secures his problem from perspective with dimensions, tabular data, and from sketches made from actual machine parts. Detail drawings in sections, assembly drawings from details, and detail from assembly drawing will constitute the main body of this course.

Industrial Arts 294. Elementary Architectural Drawing. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 191.

Purpose: To give fundamental work in architectural drawing.

Topics: Lettering; elements of architecture; mouldings; shades and shadows; wash rendering, drawing from cast; sketching; lectures.

Industrial Arts 299. Lettering. (1 hour.) Laboratory fee, \$2.00.

Purpose: Given to acquaint students with simple methods of lettering suitable for school use.

Topics: The work begins with thin line, single stroke letters, followed by various alphabets of wide line, filled in, and ornamental types. Initial letters and monograms are designed. The lettering of school posters and signs receives special attention.

Industrial Arts 301. (Formerly Industrial Arts 201.) Projects in Industrial Arts. (1 or 2 hours.) By appointment. Laboratory fee, \$2.00 or \$4.00.

Prerequisite: To be decided by the instructor.

Purpose: Offered to teachers wishing to make a special study of some phase of the work or to make projects of an original design.

Topics: The nature of the work will be decided upon by the student and instructor.

Industrial Arts 361. History and Organization of Industrial Arts. (2 hours.) Offered on demand.

Prerequisite: General Psychology or six hours of Industrial Arts.

Purpose: To give the student a historical background and information concerning the organization of Industrial Arts.

Topics: A review of the development of educational hand work in Europe and the influence of this work on the Manual and Industrial Arts movement in the United States. Organization of Industrial Arts is discussed as to purposes, arrangement of courses, equipment, plans of school shop, and method of presentation and supervision.

Industrial Arts 364. Vocational Education. (2 hours.) Offered on demand.

Prerequisite: Open only to advanced students who present evidence of ability and fitness for supervisory work, or who have pursued two years' work in college.

Purpose: An informational course dealing with the different phases of vocational education.

Topics: A study will be made of the development and growth of the industrial movement in the United States, including the various types of schools, such as trade, continuation, part time, pre-vocational, and vocational, also trade and school surveys, State and Federal legislation and regulation.

Industrial Arts 366. Teaching and Supervision of Industrial Arts. (2 hours.) Offered on demand.

Prerequisite: Same as Industrial Arts 364.

Purpose: Given as an informational course to students wishing to teach manual training.

Topics: The problem of teaching from the standpoint of industrial arts organization of subject matter; methods of presentation; organization and class management; types of lessons; lesson plans; demonstrations, and system of grading.

Library Science

Library Science 166. Library Methods. (1 hour.)

Purpose: To give the student a working knowledge of the library in order to be able to use it most intelligently and effectively.

Topics: The course includes discussions of the card catalog, library plans, principles of classification, mechanical make-up of the books, reference books, indexes, bibliography, and printed aids in book selection.

Library Science 265. Library Work with Children. (2 hours.) Not offered 1932-33, 1933-34.

Purpose: To familiarize those who wish to work in school libraries with the practices of library service to children.

Topics: Planning and equipment of the room, discipline, reference work with children, social and economic problems of the community that affect library work with children. Field work or laboratory practice in our Training School library and other libraries.

Library Science 269. Books and Reading. (2 hours.) Not offered 1932-33, 1933-34.

Purpose: Reading for familiarity with books other than textbooks in each subject taught in the elementary school, and a study of ways to interest children in reading and to direct their reading.

Topics: Many books suitable for use in each grade and subject will be read or sampled in order to give the student direct contact with the books children like to read. The interest elements which govern children's reading at different ages will be studied and criteria set up for selecting other books that will be equally interesting. Methods and devices used in arousing interest and in guiding and directing reading will be studied and appraised.

Library Science 360. Administration. (2 hours.) Not offered 1932-33, 1933-34.

Purpose: A study of the problems of the school library, including its organization, maintenance and control, planning and equipment, together with the relation of the librarian to the administrative officers, faculty and students, and the principal's part in its administration.

Topics: Problems and assigned readings concerning the place, function, administration and opportunity of the library in the modern school. Observation and practice in the school library, visits to nearby school libraries will supplement the class work. Individual projects are worked out in student's field of interest.

Library Science 361. Cataloging and Classification. (3 hours.) Not offered 1932-33, 1933-34.

Purpose: This course teaches the principles of dictionary cataloging and classification necessary in school libraries.

Topics: Attention is given to methods of classifying books; subject headings, shelf-listing, ordering and use of Library of Congress cards; and, to the alphabetical arrangement of cards. Instruc-

tion is based on the A. L. A. and Fellow's "Catalog Rules". Dewey's "Decimal Classification", and Sears' "List of Subject Headings for Small Libraries." The work includes practice in cataloging and classification.

Library Science 363. Reference and Bibliography. (3 hours.) Not offered 1932-33, 1933-34.

Purpose: This course is planned to make students thoroughly familiar with the content and use of reference books in those fields which are most useful in a school library, and to teach practical methods of doing research and reference work.

Topics: A comparative study will be made of dictionaries, encyclopedias, indexes, and handbooks as well as government documents and other reference materials. Periodicals and free material will be studied and evaluated and practice will be given in building up vertical file collections of clippings, pamphlets, and pictures. Problems involving the use of materials available in the library will be assigned and the preparation of various bibliographies required.

Library Science 367. Book Selection. (2 hours.) Not offered 1932-33, 1933-34.

Topics: A critical study of the principal aids to books selection; the checking of current book lists, discussion of American publishers and a study of their special editions; examining, reading and reviewing selected books from various classes, such as: literature, science, history, etc., keeping in mind a well-balanced collection; practice in writing book notes; a comparative study of trade bibliographies; possible picture collections and accumulation of such materials as might be needed by debate clubs, etc.

Library Science 369. Adolescent Literature. (2 hours.) Not offered 1932-33, 1933-34.

Purpose: To acquaint students with the books which young people read in order that they may understand the varying appeals that books make to the adolescent boy and girl and thus learn how to select the right book for each reader.

Topics: A survey of the field of adolescent literature with special emphasis on the interests of the adolescent age. A comparative study of different types and classes of books that may be used to satisfy these interests and to broaden and enrich the student's experience in the curriculum and extra-curriculum fields of the secondary school. Type books in each interest group will be read and the influence of editions, illustrations, and format will be studied. The selection and evaluation of source material, magazines, classics, modern literature, and free material will also be stressed.

DIVISION OF FINE ARTS

Mr. Van Peurse	Miss Fowler	Miss Hull	Miss Nettinga
Miss Campbell	Miss Gibson	Miss Mebane	Miss Telford

Art

Miss Gibson	Miss Fowler	Miss Mebane
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Art 100. Blackboard Drawing. (2 hours.) Fee, \$1.00.

Purpose: This course is for public school teachers who want to learn to make simple drawings on the blackboard in order to explain points under discussion in the classroom.

Topics: Designs for borders are worked out in problems to be used in the graded schools, illustrative pictures are made. Practice is given in the use of white and colored crayons, charcoal, and other materials.

Art 115. Elementary Drawing and Design. (3 hours.) Laboratory fee, \$2.00.

Purpose: Development of technical skill. A course for the general student as well as a foundation course for the art major.

Topics: Application of art principles to the use of line, form, tone, and color in the representation of simple objects, plants, birds, animals, the human head and figure. Embraces the study of light and shade and the simpler facts of perspective. Mediums employed include pencil, charcoal, crayon, water color, clay.

Art 116. Elementary Drawing and Design. (3 hours.) Fee, \$2.00.
Prerequisite: Art 115.

Purpose: Development of technical skill and creative ability.

Topics: Elementary problems in color, design, pencil drawing, pen and ink drawing, composition, and poster design in which the technical ability acquired in the preceding course will contribute to original expression.

Art 161. Public School Art. (2 hours.) Fee, \$2.00.

Purpose: A course for the grade teachers who wish to become more efficient in the teaching of lettering, design, color, construction, and appreciation, in the elementary school. Units of work are based on the minimum content essentials, integrating art with the subject matter of the curriculum.

Topics: Problems are presented to develop skill in representation—drawing of the human figure, animals, birds, plants, and constructed objects; color; design; lettering; book making; appreciation.

Art 190. Appreciation of Art. (3 hours.) Fee, 75c.

Purpose: Establishment of a basis for judgment and good taste through a survey of the development of architecture, sculpture, painting, design, and the applied arts, with emphasis placed upon the analysis of selected examples.

Topics: Architecture, sculpture, painting, the graphic arts, printing and advertising art, industrial arts, color, design, dress, the theatre, community art, art in the home.

Art 215. Color Theory. (1 hour.) Fee, \$1.00.

Prerequisites: Art 115, 116.

Purpose: Development of ability to use color scientifically and to experience intelligent enjoyment of its effects.

Topics: The hues of the spectrum, their external causes, their appearance under different conditions of illumination, the different qualities of each which results from the use of various materials and methods of treatment. The use of typical color combinations; study of so-called systems of color, the six colors, Munsell, Wilson, Taylor, Jacobs, etc.

Art 216. Poster Design. (2 hours.) Fee, \$1.50.

Prerequisites: Art 115, 116, 225.

Purpose: Development of ability to employ art principles in the production of effective posters.

Topics: Advertising principles; the idea, developing the imagination; layout; lettering; techniques; processes of reproduction.

Art 222. Interior Decoration. (2 hours.)

Purpose: A course for the student who desires a general knowledge of the principles of design as they relate to the house and its interior. For the student majoring in art and home economics.

Topics: Treatment of interiors—line, form, color and texture in relation to furniture and backgrounds. The house and its setting, types of houses; study of period furniture, and characteristic period settings which may be applied to the house, and to special stage settings.

Art 225. Lettering. (1 hour.) Fee, \$1.00.

Purpose: Appreciation of the principles of design in topography and hand lettering, and ability to apply these principles in the production of hand lettering.

Topics: The fundamental styles of lettering, their origin and development, their possibilities for use and adaptation. Problems in spacing and page arrangement including the making of monograms, lettered posters, show cards, and signs.

Art 255. Costume Design. (2 hours.) Fee, \$1.00.

Purpose: A course for the student majoring in art and in home economics. The course is planned to give a general knowledge of the principles of design as they relate to costume. Self-analysis through a knowledge of the human form which enables the student to adopt a mode of dressing that will accentuate natural charm and overcome defects of proportion and coloring.

Topics: Color, form, line, and texture. Units of work are based on the technical problems of representation of costumes in the medium of water color, pen and ink, crayon and tempera. Knowledge and appreciation of the work of modern dress designers. The influence of historic costume on modern dress and stage costumes.

Art 261. Art Education in the Elementary School. (2 hours.) Fee, \$1.50.

Prerequisites: Art 115, 116, 225, or 161 and 225.

Purpose: A course for teachers who wish a general knowledge of present day theories and practices of art education in the elementary school.

Topics: Objectives of art education in the elementary school. The minimum content essentials, methods, and standards of attainment for the average child in the grade. Tests and measurements. Equipment.

Art 290. History of Art. (3 hours.)

Prerequisite: Art 115.

Purpose: This is a study of the history of art from pre-historic times. It includes the interpretation of art principles as expressed in early frescoes, painting and architecture, down through the ages until the present day.

Topics: An outline of art history is made, and a large number of pictures for study is required. Lectures illustrated with slides showing the best art of the world are a part of the work.

Art 314. Perspective Drawing. (1 hour.) Fee, 75c.

Prerequisite: Art 115.

Purpose: Development of background for work in composition and commercial art; development of background for informational or descriptive drawing. A course for the art major or for the general student.

Topics: Freehand and instrumental drawing of buildings, interiors, and near and far objects in landscape. Embraces the more generally used principles of perspective, including perspective of shadows and reflections.

Art 315. (Formerly 252). Drawing, Painting and Composition. (3 hours.)

Prerequisite: Art 161.

Topics: Painting in oils, tempera, water colors and crayons, with emphasis placed upon design in landscape composition and the development of creative expression.

Art 316. Drawing and Modeling. (2 hours.) Fee, \$1.25.

Prerequisites: Art 115, 116.

Purpose: Development of graphic ability.

Topics: Still life drawing in charcoal, principles of light and shade and perspective reviewed; drawing and modeling from the cast of the head and figure; figure sketching and composition.

Art 372. Applied Design. (3 hours.) Fee, \$3.00.

Prerequisites: Art 115, 116; for Home Economics majors, Art 115, 222.

Purpose: A course for students majoring in home economics and art. To develop an appreciation of good craftsmanship through a study of fine examples of crafts, and experience in the use of materials and processes.

Topics: An introduction to handicrafts and problems in craft work for the grades and high school. Application of design to stenciling, wood block, batik, leather tooling, tie dyeing, soap carving, and book making.

Art 375. Commercial Art and Illustration. (3 hours.) Fee, \$2.00.

Prerequisites: Art 115, 116, 215, 216, 225, 314, 315, 316.

Purpose: Development of creative ability and technical skill.

Topics: Lettering, layout, design, illustration in black and white and in color. Methods of reproduction.

Music

Mr. Van Peurse
Miss Campbell

Miss Hull

Miss Nettinga
Miss Telford

MUSIC FEES*

Individual Instruction (Piano, voice, violin, cello):

Two half-hour lessons per week, one semester	\$27.00
One half-hour lesson per week, one semester	18.00
Music 18a and 18b, one semester	5.00
Music 238b, one semester	5.00
Practice room with piano. one hour daily, one semester.....	5.00
Use of school owned violin, one semester	2.50

MUSIC SCHOLARSHIPS

The college awards annually three scholarships to those students who make the most satisfactory progress in piano, voice, and violin. The value of these scholarships is \$54.00 each.

Music 11a and 11b. Piano. Individual Instruction. (No credit.)
*Fees.

This work may be completed in one year, or it may require more time, according to the ability and application of the student.

Topics: Major scales and tonic chords.

Kohler, Op. 190; Streabbog, Op. 63; Bilbro, Progressive Early Grade Studies; Loeschorn, Op. 65, Bk. I.

Music 18a and 18b. Piano. (No credit.) (Class instruction.)
*Fees.

Purpose: To give group instruction; to provide a foundation for correct piano playing and prepare the student for more advanced private study.

Topics: Hand position; notation; simple melodies; folk songs.
Music 31a and 31b. Violin. Individual Instruction. (No credit.)

*Fees.

This work may be completed in one year, or it may require more time, depending upon the ability and application of the student.

Topics: Such studies, scales and exercises, as will prepare the student to enter Music 231a.

Music 36a and 36b. Violoncello. Individual Instruction. (No credit.)

*Fees.

Music 150. Elements of Music. (2 hours.)

Purpose: To provide an elementary knowledge of music notation and terminology, and of the fundamental principles of reading by syllable.

Topics: Staff notation, bass and treble clefs, notes, rests, major and minor scales, chromatics, key signatures and other symbols used in music.

Music 151. Harmony I. (2 hours.) Receives credit only upon satisfactory completion of Music 152.

Prerequisite: Music 150.

Purpose: To provide an elementary knowledge of the construction, classification, and progression of chords.

Topics: Major and minor scales, intervals; triads, dominant seventh with its resolutions; inversions; harmony at the keyboard.

Music 152. Sight Singing and Ear Training. (1 hour.) Receives credit only upon satisfactory completion of Music 151.

Prerequisite: Music 150.

Purpose: To begin development of aural perception of music symbols; to teach association of the symbol with the tone it represents; to teach reading and listening.

Topics: Sight singing of melodic exercises in major and minor keys, in various rhythms; tone groups; verbal and tonal dictation, interval drill.

Music 153. Harmony II. (2 hours.) Receives credit only upon satisfactory completion of Music 154. A continuation of Music 151.

Prerequisite: Music 150, and 151.

Topics: Modulation by dominant seventh; cadence in new key; common chord modulation; dominant ninth; chords of the seventh; harmony at the keyboard.

Music 154. Sight Singing and Ear Training II. (1 hour.) Receive credit only upon satisfactory completion of Music 153.

Prerequisite: Music 152.

Topics: More difficult sight singing and tonal dictation; simple harmonic recognition; more complex rhythms.

Music 160. Public School Music. (2 hours.)

Purpose: To consider the subject matter of music in the rural and in the graded school, together with the educational principles

applied to its presentation; to acquire some of the skills necessary to the teaching of grade school music.

Topics: The aim of music in the grades; child voice; tone quality; unmusical singers; rhythmic development; staff notations; beginning music reading; use of the phonograph in singing and in rhythm and appreciation work; materials; appreciation.

Music 201. Music Appreciation. (3 hours.)

Prerequisite: Music 150.

Purpose: To foster a love for, and understanding of, good music.

Content: The best music of all times, reproduced on the phonograph; folk music, art songs, instrumental forms; instruments and instrumental music; the human voice.

Music 202. Music History. (2 hours.)

Purpose: To study the history of music for its cultural and appreciative value.

Content: The development of ancient and medieval music, the lives of musicians up to and including the time of Beethoven, illustrated with phonograph records.

Music 203. Music History II. (2 hours.) A continuation of 202. The music and lives of composers since Beethoven.

Music 211a and 211b. Piano. Individual Instruction. (2 hours.)

*Fees.

Topics: Schmitt Preparatory Exercises; all major and minor scales in parallel motion; tonic chords and inversions.

Burgmuller, Op. 100; Loeschorn, Op. 65, Bk. II; Bach-Carroll, Book for Beginners; Clementi, Easy Sonatinas, Op. 36.

Music 212a and 212b. Piano. Individual Instruction. (2 hours.)

*Fees.

Topics: Schmitt Preparatory Exercises; major and minor scales in parallel and contra motion; tonic chords, and broken chords with inversions.

Heller, Op. 47; Duvernoy, Op. 120; Bach, Little Preludes; Clementi and Kuhlau Sonatinas.

Music 213a and 213b. Piano. Individual Instruction. (2 hours.)

*Fees.

Topics: Wolff, the Little Pischna; major and minor scales in parallel and contra motion; tonic broken chords and inversions; tonic and diminished seventh arpeggi.

Czerny, Op. 299, Heller, Op. 45; Bach, Two Part Inventions; Mozart, easiest Sonatas.

Music 214a and 214b. Piano. Individual Instruction. (2 hours.)

*Fees.

Topics: Phillipp, Exercises Pratiques; or Pischna; major and minor scales in thirds, sixths and tenths; tonic, dominant, and diminished seventh arpeggi and inversions.

Cramer (Bulow), Sixty Selected Studies; Bach, Three Part Inventions; Sonatas by Mozart and Haydn.

Music 215a and 215b. Piano. Individual Instruction. (2 hours.)

*Fees.

Topics: Philipp; Pischna, Exercises Journaliers; scales and arpeggi in faster tempi.

Bach, French Studies; Czerny, Op. 740; or Clementi, Gradus ad Parnassum; Beethoven, Sonatas.

Music 221a and 221b. Voice. Individual Instruction. (2 hours.)

*Fees.

Topics: Breathing exercises conducive to correct breathing; diction, with emphasis placed on vowel formation; technical exercises to fit the individual need of the student.

Sieber studies; simple sacred and secular songs.

Music 222a and 222b. Voice. Individual Instruction. (2 hours.)

*Fees.

A continuation of the fundamentals introduced in the first year's work.

Topics: Scales, with emphasis on evenness of scale; Vaccai and Marchesi studies; songs from the English, Italian and German schools.

Music 223a and 223b. Voice. Individual Instruction. (2 hours.)

*Fees.

Topics: Continuation of scales, supplemented by other exercises leading to more rapid vocalization; Ponofka studies; art songs, with attention to interpretation and artistic performance.

Music 224a and 224b. Voice. Individual Instruction. (2 hours.)

*Fees.

Topics: Advanced technical exercises; selections from the standard operas and oratorios; songs in French, Italian and Classical Leier.

Music 231a and 231b. Violin. Individual Instruction. (2 hours.)

*Fees.

Purpose: To develop technique and solo ability; to train the student to participate in the varied chamber music combinations; to acquaint the student with the orchestral literature.

Topics: Technical proficiency through the third position; two finger scales in these positions; two octave scales in all major keys; development of the technique of the left hand and of the bow arm; sight reading.

Studies and exercises by Kayser and Wohlfart Danca, Variations. Simple classical selections.

Orchestra attendance required.

Music 232a and 232b. Violin. Individual Instruction. (2 hours.)

*Fees.

Topics: Study of the positions; scales and arpeggi in all major and minor keys, in all positions; chord study, double, triple, and quadruple; finger, shifting and bowing exercises; one and two finger scales preparatory to octaves; broken octaves; sight reading.

Mazas, Opus 36; Kreutzer, Selected Studies; Fiorillo and Parre; Miscellaneous pieces; One or more of the simpler concertos and sonatas.

Orchestra attendance required.

Music 233a and 233b. Violin. Individual Instruction. (2 hours.)

*Fees.

Topics: Three octave scales; left and right hand pizzicato; varied bowings of the diminished seventh chord; all scales, ascending and descending, on one string, with any one, two or three fingers; thirds; fingered harmonics.

Sevcik, Opus 8; Fiorillo; Rode; Wilhelmj, School of Thirds; Handel, Six Sonatas; Tartini, Sonata in G Minor.

Orchestra attendance required.

Music 234a and 234b. Violin. Individual Instruction. (2 hours.)

*Fees.

Topics: Scales in thirds and octaves; fingered octaves and tenths; cultivation and development of style and an understanding of the composition being played; sonatas and concertos of preceding years continued for public performance; extensive violin solo and chamber-music literature.

The student is required to do ensemble work in string quartette, and must be able to play first violin in the college orchestra.

Music 236a and 236b. Violin cello. Individual Instruction. (2 hours.)

*Fees.

Music 238a. Stringed Instrument Class. (1 hour.)

Purpose: To give sufficient playing and technical ability to teach violin in class and to train the string section of a school orchestra.

Topics: Correct violin position for playing, resting and tuning; major scales and arpeggi in first position; bowing exercises; Introduction to third position; Study, discussion, and practice teaching in the class; instrumental class procedure and methods.

Books I and II of various beginners methods; Three and four part ensemble material; Simple sight reading.

Music 238b. Stringed Instrument Class. (1 hour.)

*Fees.

Topics: Third position; bowing and finger exercises continued; fingering in half position explained and practiced; open harmonics; string and orchestral music introduced with careful attention given to correct position, tone production, and uniform bowing.

Book III of various beginners methods; Supplementary practice and sight reading material.

Music 243a and 243b. Wind Instruments. Individual Instruction. (2 hours.)

*Fees.

Topics: Embouchure; principles of tone production; breathing; tonguing; phrasing; theory, including major and minor scales, arpeggi and easy transposition.

Universal Teacher, Maddy and Goddlings; Doundation Method, Vereecken.

Music 248a. Wind Instrument Class. (1 hour.)

Purpose: To prepare teachers of instrumental music in the schools.

Music 251. Harmony III. (2 hours.)

A continuation of Music 153.

Music 252. Sight Singing and Ear Training III. (1 hour.)

A continuation of Music 154.

Music 253. Harmony IV. (2 hours.)

A continuation of Music 251.

Music 254. Sight Singing and Ear Training IV. (1 hour.)

Music 261. Grade Methods and Materials. (2 hours.)

Prerequisite: 160 and 150, or the equivalent.

Purpose: To prepare the advanced student for the teaching and supervision of music in the grade; to acquaint him with methods and materials.

Topics: Same as Music 160, but a more advanced consideration. The course includes observation, and library reading.

Music 262. Conducting. (2 hours.)

Prerequisite: 160 and 150, or the equivalent.

Purpose: To train students to conduct chorus and orchestra efficiently, and to lead community singing.

Topics: Technique of the baton; tempo; attach; release; phrasing; dynamics; seating of the chorus and orchestra; discipline of rehearsals; community music.

Music 361. Supervision. (2 hours.)

Prerequisite: Music 211, 221, 253, 254, 261, and 262.

Purpose: To prepare the student for the varied activities of the music supervisor in the high school and grades.

Topics: Acquaintance with entire field of school music; music in the junior and senior high school; the instrumental field; outlines for music work; bibliography .

DIVISION OF BIOLOGICAL AND PHYSICAL SCIENCES

Mr. Cox
Mr. Herndon

Mr. Hummell
Mr. Kennamer

Miss Krick
Mr. Rumbold

Biology

Mr. Rumbold

Miss Krick

Biology 121. General Biology. (4 hours.) Laboratory fee, \$4.00.

Purpose: An elementary course intending to give the student a survey of the plant and animal kingdoms; to introduce the student briefly to genetics; to study man's structure, development, and relationship to other animals; to acquaint the student with the more complex phenomena of life.

Topics: Fields of biology; history of biology; algae; fungi; mosses, ferns, higher seed plants; intermediate forms; protozoa; porifera; coelenterata; segmented worms; insecta; vertebrates. The frog—digestive system, blood system, nervous system, excretory system, reproductive system, respiratory system embryology, homology, and analogy; protective coloration; adaptation, and genetics.

Biology 161. Nature Study. (3 hours.) Laboratory fee, \$1.50.

Purpose: To give the student an acquaintance with and an appreciation of nature, as well as to give him teachable information; to acquaint him with nature study literature.

Topics: This course includes a study of plants and animals, their recognition, habits, growth, adaptation to environment, relation to man and to each other. Methods of presentation are discussed.

Biology 225. (Formerly Biology 325.) Genetics. (2 hours.)

Prerequisite: Biology 121, or 231, or 241.

Purpose: Introduction to the laws of inheritance and their application to man, including a consideration of the factors underlying race deterioration and race betterment.

Topics: Mendel and Mendel's Laws, recent workers including T. H. Morgan, Chromosome theory of heredity, linkage, crossing over, interference, biometrics, race betterment, and race deterioration.

Biology 231. General Botany. (4 hours.) Laboratory fee, \$4.00.

Purpose: An introductory course in botany whose purpose is to give the student fundamental principles regarding the structure, function and reproduction of representative seed plants. Occasional field trips are provided in order to study plants growing in the field and greenhouse.

Topics: History of botany; cell structure and growth; detailed study of structure of root, stem, leaf, flower, fruit and seed; plant response to environment and plant heredity.

Biology 232. Advanced Botany. (4 hours.) Laboratory fee, \$4.00.

Prerequisite: Biology 121.

Purpose: To give the student a wider knowledge of the field of botany from the lowest algae to seed plants; to give an organized view of the structure, reproduction, and interrelationship of the four great plant groups.

Topics: Representatives of the four divisions of plants are studied as to their structure, reproduction, and economic importance. Three lines of development are followed: (1) development of plant body from simple to complex, (2) development of the concept of alternations of generations, (3) development of sex in plants.

Biology 235. Local Flora. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Biology 231 or 121.

Purpose: To familiarize the student with the local flora; to instruct in the use of various systematic keys to flora; to enable the student to recognize and classify the flowering plants.

Topics: Various systems of classification; the basis for scientific names. The most frequent and most important families of plants are studied from the standpoint of their flower and fruit characteristics as a basis of classification into families, genera and species. Identification of flowers is given a prominent place.

Biology 241. Invertebrate Zoology. (4 hours.) Laboratory fee, \$4.00.

Purpose: This course is intended for students who desire to major in the biological sciences. It includes a detailed survey of the lower forms of the animal kingdom.

Topics: Protozoa; porifera; coelenterata; ctenophora; platyhelminthes; nemathelminthes; annelida; echinodermata; mollusca; arthropoda in more detail than offered in Biology 121. Examples, characteristics, life histories, structures, and ecology with a discussion of their evolution.

Biology 242. Comparative Anatomy. (4 hours.) Laboratory fee, \$4.00.

Prerequisite: Biology 121 or 241.

Purpose: Intended for pre-medics and majors in biology and physical education. An intensive study of the comparative anatomy of the various systems of vertebrates, including dissection work.

Topics: The comparative anatomy of the skin, digestive, circulatory, respiratory, excretory, reproductive glands of internal secretion, skeletal, muscle, nervous and sense organs in vertebrates.

Biology 243. Economic Entomology. (4 hours.) Laboratory fee, \$4.00.

Purpose: To introduce to the student the most important insects economically on the farm, in the home, and in other habitats. Field work with the making of a collection of important economic insects.

Topics: Taxonomy of insects, anatomy and physiology of insects, life histories, economic importance, methods of control.

Biology 328. Animal Ecology. (2 hours.)

Prerequisite: One year of Biology.

Purpose: This course proposes a consideration of the natural history of animals; the relation of animals to their surroundings; and the responses of organisms to the factors of their environment.

Topics: Physical and chemical ecological factors, biological factors, succession, marine and fresh water animals, terrestrial animals, relation of animals to plants, relation of animals to color, intraspecific relations, the economic relations of ecology.

Biology 333. (Formerly Biology 233.) Plant Diseases. (3 hours.)
Laboratory fee, \$4.00.

Prerequisites: Biology 231, or 121 and permission of the instructor.

Purpose: To give definite information regarding the most important plant diseases of this region of the United States; to acquaint the student with the general problems in the field of plant pathology.

Topics: Typical plant diseases are studied with regard to their symptoms, causes and means of spread; life history of the causal organisms, economic importance of the disease and methods of control.

Biology 344. (Formerly Biology 244.) Animal Parasites. (4 hours.) Laboratory fee, \$4.00.

Prerequisite: Biology 121 or 241.

Purpose: Course is intended for students preparing for medicine or public health work. A consideration of the animal parasites with particular emphasis upon those infesting man and their treatment.

Topics: Protozoa-Sarcodina (amoebic dysentery); Mastigophora (Trypanosomes); Spirocheataceae; Infusoria; Sporozoa, including various types of malaria; Platyhelminthes (flukes and tapes); Nematelminthes (ascaris, hook worm, trichina, whip worm, elephantiasis, guinea worm, etc.); prevalence of parasitic worms and remedial measures; animal parasites among Mollusca, Annelida, and Arthropoda; Arachnida (mites and ticks); Arthropods (lice, bed bugs, fleas, flies, mosquitoes); poisonous animals.

Biology 345. (Formerly Biology 245.) Embryology. (4 hours.)
Laboratory fee, \$4.00.

Prerequisites: Biology 121 and 242.

Purpose: This course is designed primarily for majors and minors in the department and pre-medical students acquainting them with the fundamental principles of embryology as found in the animal kingdom.

Topics: Complete study of the embryology of the starfish, frog, and chicken, with considerable work on mammalian embryology.

Biology 381. Animal Physiology. (4 hours.) Laboratory fee, \$4.00.

Prerequisite: Biology 121 or 241.

Purpose: Course is intended for majors in home economics, physical education, and biology. It is a course in functional zoology with a detailed study of the physiological processes in the human body.

Topics: Physiology of respiration, muscles, reproduction, excretion, nervous system, circulation, and digestion.

Chemistry

Mr. Cox

Mr. Herndon

Chemistry 101. Everyday Chemistry. (3 hours). Students who have had high school Chemistry are not permitted to take this course. Laboratory fee, \$1.50.

Purpose: The purpose of this course is to give one the fundamental principles of chemistry without going into the mathematics and the theory of chemistry. The course is designed for those students who want only a cultural knowledge of the subject. This is not a service course for Home Economics and pre-medical students.

Chemistry 111. (Formerly Chemistry 211.) General Chemistry. (4 hours.) Laboratory fee, \$4.00.

Purpose: The purpose of this course is to give the student the fundamental principles of Chemistry.

Topics: A brief history of the development of the science of chemistry; the chemical nature of matter; preparation and properties of oxygen, hydrogen, nitrogen, chlorine, carbon and sodium; the gas laws; the chemistry and purification of water; the theory of solutions; acids, bases, salts and neutralization; the theory of ionization and its applications; microcosmic chemistry.

Chemistry 112. (Formerly Chemistry 212.) Inorganic Chemistry. (5 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 111.

Purpose: Continuation of the year's work in the first year of college chemistry.

Topics: Nitrogen and compounds; sulfur and compounds; phosphorus and compounds; ceramics; law of mass action and equilibrium; colloids; metallurgy, radioactivity; periodic numbers and their significance.

Chemistry 213. Qualitative Analysis. (4 hours.) Laboratory fee, \$4.00.

Prerequisites: Chemistry 111 and 112.

Purpose: A continuation of Inorganic Chemistry with special reference to the separation and identification of the metals and non-metals and the theory of solutions.

Topics: Simple equilibrium; complex equilibrium; solubility product law; law of precipitation; law of solution; law of the common-ion; introduction to the use of the spectroscope and microscope in analysis; identification of minerals.

Chemistry 214. Advanced Inorganic Chemistry. (2 hours.) Laboratory fee, \$4.00.

Prerequisites: Chemistry 112 and 213.

Purpose: The theory of advanced inorganic chemistry with special reference to the study of the periodic and non-periodic properties.

Topics: Detailed study of the modern classification of the elements; molecular inorganic compounds; Werness theory of complex salts.

Chemistry 215. Organic Chemistry. (5 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 111 and 112. (112 not required as prerequisite for Home Economics majors.)

Purpose: To give a general survey of the principal compounds of Aliphatic organic chemistry.

Topics: Methane series and derivatives; ethylene series and derivatives; acetylene series and derivatives; polycyclic compounds; glucids, lipids, protids and related compounds.

Chemistry 216. Quantitative Analysis. (5 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 213.

Purpose: To give fundamental experience in the technique of quantitative determination.

Topics: The principles and use of the analytical balances; calibration of weights; the laws of partition; principles of stoichiometry; quantitative determinations of ordinary metals and non-metals; gravimetric; volumetric and electrolytic determinations.

Chemistry 311. Advanced Quantitative Analysis. (3 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 216.

Purpose: To familiarize the student with the different methods and instruments used in quantitative analysis.

Topics: Analysis of ores; potentiometric determinations; the principle and use of the colorimeter and nephelometer; polariscope; refractometer; gas analysis; combustion train.

Chemistry 312. Advanced Organic Chemistry. (4 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 215.

Purpose: To give a general survey of the aromatic organic compounds and to acquaint the student with some of the theories of modern organic chemistry.

Topics: Aromatic hydrocarbons, aldehydes, phenols, amines, diazonium compounds, dyes, drugs, etc.; theory of color, molecular rearrangements, tautomerism, etc.

Chemistry 313. Bio-chemistry. (5 hours.) Laboratory fee, \$4.00.

Prerequisites: Chemistry 111 and 215.

Purpose: To acquaint the student with the chemical reactions of digestion and metabolism.

Topics: Qualitative tests for digested substances in vivo and in vitro; chemical nature of muscle, blood and bone; enzyme action; urine analysis.

Chemistry 314. Organic Preparations. (2 hours.) Laboratory fee, \$4.00.

Prerequisites: Chemistry 215 and Chemistry 312.

Purpose: To give the student practice in the synthesis of complex organic compounds.

Topics: Frieda-Kraft synthesis; Benzion condensations; Goldsmith's synthesis; Perkins' synthesis; aceto-acetic ester synthesis.

Chemistry 315. Physical Chemistry. (5 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 216.

Purpose: To broaden the student's conception of chemical laws and to illustrate interrelationships of chemistry and physics.

Topics: Quantitative determination of the kinetic theory; gas laws and molecular weights; Debye's theory of the dielectric constants; phase rule; laws of thermodynamics.

Geology

Mr. Kennamer

Geology 201. Physical Geography and Geology. (3 hours.) Laboratory fee, \$3.00.

Purpose: This course is designed (a) to give the student a knowledge of the land forms, their origin and history, their changes, and their influence on man, (b) to teach the use of geologic and topographic maps, and (c) to teach the student to interpret present day environment.

Topics: Materials of the earth; weathering; work of wind; work of ground water; work of streams; work of glaciers; the ocean and its work; the structure of the earth; earthquakes; volcanoes and igneous intrusions; metamorphism; mountains and plateaus; ore deposits; soils, their classification and origin; major physiographic features, their origin and influence on man.

Physics

Mr. Hummell

Physics 101. Everyday Physics. (3 hours.) Laboratory fee, \$1.00.

Purpose: To acquaint the student with the nature of the science of Physics and its applications. It is not intended to prepare the student to teach Science or Physics in the high school.

Topics: The course consists of a series of lectures and demonstrations of the fundamental principles of mechanics, sound, heat,

electricity, magnetism, and light. Applications of these principles to home and community life are pointed out. Written quizzes will be given after each group of eight or nine lectures.

Physics 201. Mechanics, Heat, and Sound. (5 hours.)

Laboratory fee, \$2.00.

Prerequisites: Mathematics 107 or Junior standing, Mathematics 113 or registration in Mathematics 113.

Purpose: A general course treating mechanics and heat, and given not only for those students who intend to teach Physics in high school, but also for those who expect to enter the field of engineering.

Topics: Falling bodies. Newton's laws of motion and applications to practical problems. Curvilinear motion. Composition and resolution of forces. The laws of equilibrium and their application to various problems. Work and energy. Machines. Momentum. Elasticity. Simple Harmonic Motion. Hydrodynamics. Heat and molecular physics including thermometry, pressure, expansion of solids, liquids, and gases, and modern radiation theory.

Physics 202. Electricity, Magnetism, Wave Motion and Sound, and Light. (5 hours.)

Laboratory fee, \$2.00.

Prerequisite: Physics 201.

This course is a continuation of Physics 201, and should be taken by the student who expects to teach Physics or General Science in high school, or to enter the engineering field.

Topics: Electrostatics. The nature of electricity. Properties of a moving electric charge (chemical, heating, and magnetic effects). Magnetism. Ohm's law. Measurement of electrical quantities. Sources of electrical energy. Lenz's law. Inductance and capacity. Alternating current. Electric waves and radio.

Physics 301. An Advanced Course in Mechanics. (5 hours.)

Prerequisites: Mathematics 352 and Physics 201 and 202.

This course is given primarily for those majoring, or taking a first minor in Physics. Much stress is put upon the solution of problems.

Physics 302. Introduction to Physical Optics. (3 hours.)

Prerequisites: Physics 201 and 202.

Purpose: To study the nature of light and its related phenomena.

Topics: Wave motion. Reflection and refraction. Further study of lenses. The telescope. Dispersion. Facts concerning the spectrum. Interference. Diffraction. Plane Polarized Light. The Electromagnetic theory of light. The Quantum Theory and Origin of Spectra. The dilemma. Can the existence of an ether be detected?

Physics 303. Advanced Heat (3 hours.)

Prerequisites: Physics 201 and 202.

Purpose: To study the nature of heat and its related phenomena.

Topics: Temperature and thermometry. Errors of a mercurial thermometer with their corrections. Expansion of solids, liquids, and gases. Calorimetry. Change of state. The first law of thermodynamics. The Kinetic theory of gases. Carnot's cycle and the second

law of thermodynamics. Electrical instruments. Convection and conduction of heat. Radiation.

Physics 304. Advanced Electricity and Magnetism. (3 hours.)

Prerequisites: Physics 201, 202, and Mathematics 251.

Purpose: To study the theory of electricity and magnetism.

Topics: Magnetism. The electric current. Electrostatics. Electrolysis. Thermo-electricity. Electromagnetics. Alternating currents. Electromagnetic radiation. Conduction in gases. Electrons and atoms.

Physics 305. A Laboratory Course in Electrical Measurements. (2 hours.) Laboratory fee, \$2.00.

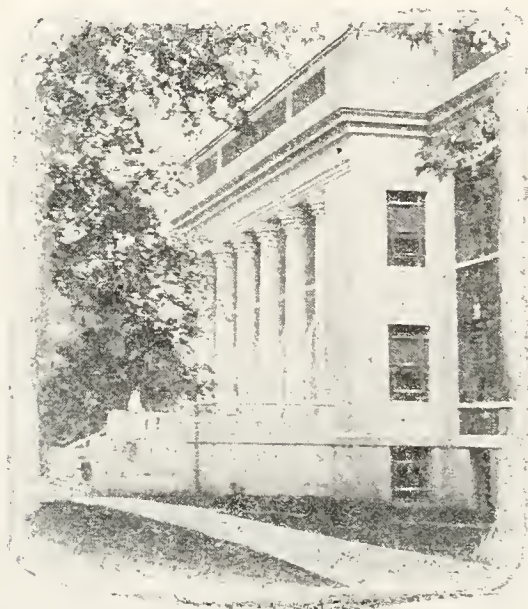
Prerequisites: Physics 201 and 202.

Purpose: To acquaint the student with the use of a "Test Set" for electrical measurements in commercial practice, and also with laboratory methods.

Topics: Bridge methods and the direct deflection method of measuring resistances. Checking up Ammeters and Voltmeters. Capacity and inductance measurements. Testing out grounds.

Physics 306. A History of Physics. (1 hours.) Offered on demand.

Prerequisites: Physics 201 and 202.



Administration Building.

DIVISION OF EDUCATION

Mr. Jones
Mrs. Case
Mr. Cuff
Mr. Edwards

Mr. Ferrell
Miss Hansen

Mr. Jagers
Mr. Mattox
Miss Schnieb
Mrs. Tyng

Training School Staff

Miss Adams
Miss Alvis
Mr. Bryant
Miss Carpenter
Mr. Coates

Mr. Grise
Miss Hanson
Miss Lee
Miss Lingenfelter
Miss Pugh

Miss Rush
Miss Story
Mr. Walker
Miss Wilson
Miss Wingo

Education 111. Educational Psychology. (3 hours.)

Purpose: (a) to introduce the future teacher to the fundamental principles of educational psychology; (b) to teach the student to apply the psychology of learning to classroom practice; (c) to provide some acquaintance with the field of measurement.

Topics: The field of educational psychology; individual differences; original tendencies; mental health; measurement of non-intellectual traits; measurement of mental ability; uses and results of intelligence tests; the laws of learning; motivation and initiative; efficient learning; the permanence of modification; transfer of training; measurement of achievement; uses of educational tests; the new type of classroom tests; predicting performance; educational guidance.

Education 160. Classroom Management. (3 hours.)

Purpose: To acquaint the student with the problems of school management; to see how to handle these problems with the minimum amount of energy and time; to help the student sense the relation of the school to the community and cultivate a constructive and harmonious contact between the two; to acquaint the student with a well-organized, well-managed school through directed observation in demonstration school.

Topics: Organizing the school; the first day of school; the daily program; the gradation and classification of pupils; discipline; management of the library; attendance; records and reports; school-room equipment; classroom routine; school house keeping; sanitation and health; management of extra-curricular activities.

About one-fifth of the time will be spent in observation in a regularly organized training school meeting the standards of the American Association of Teachers Colleges.

Education 162. Teaching the Common School Branches. (3 hours.)

Purpose: (a) to familiarize the student with the state course of study; (b) to give practice in organizing materials for class work; (c) to acquaint the student with modern methods of teaching through directed observation in a demonstration school.

Topics: Subjects as outlined in the state course of study with special emphasis on reading, language, spelling and arithmetic; educational seat activities; measuring instruction by the use of examinations, standardized and new type tests.

This course meets four hours per week, at least one of which is spent in observation in a regularly organized training school, a school organized especially for training school purposes and meeting the standards of the American Association of Teachers Colleges.

Educational 201. The Junior High School. (2 hours.)

Purpose: To familiarize prospective high school principals and teachers with the underlying movements which account for the origin and development of the junior high school; (b) to give an understanding of the purposes of the junior high school, its organization, and administration; (c) to determine the peculiar objectives and functions of the junior high school education; (d) to present a background necessary for an understanding and interpretation of this type of educational reorganization.

Topics: Origin, development, and present status of the junior high school movement; relation of the junior high school to elementary education, to secondary education, and to the school system in general; objectives, functions, and essential features of the junior high school; the program of studies; types of programs; evaluation of the different type programs; factors determining curriculum organization; objectives, content, organization and place of the various subjects of study in the program of studies; directing learning activities; planning instruction; measuring and recording progress; plans and standards of promotion; guidance; the place of extra-curricular activities in the junior high school; the junior high school plant, buildings and grounds, library, apparatus, and equipment, accounting practices; training, qualifications, and success traits of junior high school principals and teachers.

Education 203. Principles of Teaching. (3 hours.)

Prerequisite: Education 111.

Purpose: (a) To develop an understanding of the principles basic to effective teaching; (b) to acquaint the student with the fundamental problems of teaching and to apply the teaching principles to the possible solutions of these problems.

Topics: Meaning of education; meaning and function of the school; meaning and evidences of learning; purposeful activities; selection and organization of subject matter; various types of class procedure; making assignments; standards for judging teaching.

Education 211. General Psychology. (3 hours.)

Purpose: (a) To present the problems, methods, and facts of psychology as a science; (b) to show applications of psychology; (c)

to teach students to apply psychological principles to situations in which they may be helpful.

Topics: The problems, methods, and subject matter of psychology; the physiological basis of reactions; native and acquired urges; the nature of instincts and emotions; adjustments; laws of learning; economy in learning; general intelligence and special aptitudes; personality; individuality; applications of psychology.

Education 213. (Formerly 114.) Child Psychology. (3 hours.)

Purpose: (a) To acquaint the student with the most important facts and principles relative to childhood; (b) to describe the behavior and activities which may be expected of a child in any stage of development; (c) to teach the student how to observe and to interpret the behavior of children; (d) to cultivate a sympathetic and understanding attitude toward child life.

Topics: Introduction; biological and social heredity; the child as an organism; instincts; emotions; linguistic development; development of handedness; development through play; physical development; hygiene; learning and acquisition of habits; mental development; intelligence; social and moral development; the exceptional child; individual differences; guidance of children.

Education 214. Psychology of Adolescence. (3 hours.)

Purpose: (a) To acquaint students with the most important facts and principles relative to adolescence; (b) to describe adolescent nature, growth, and development so as to facilitate both reliable prediction and suitable guidance of behavior during the teens; (c) to teach students how to solve problems of adolescent behavior; (d) to cultivate a sympathetic and an understanding attitude toward adolescence.

Topics: Introduction; physical development; mental development; growth of intelligence; adolescent instincts and interests; emotional life; learning and forgetting; moral and religious development; adolescent personality; disturbances of personality; hygiene of adolescence; prediction of adolescent behavior; guidance of adolescent behavior.

Education 223. Principalship. (3 hours.)

Purpose: The purpose of this course is (a) to give the student a knowledge of the problems of the principal; (b) to study and evaluate the activities and responsibilities of the principal; (c) to acquaint the student with the relation of the principal to teaching, supervision, community activities, and the teaching profession; and (d) to present some of the outstanding problems in the administration and supervision of the elementary and secondary schools.

Topics: History and philosophy of the twelve-grade common school; training of the principal; leadership functions of the principal; office organization for business administration; classification of pupils; pupil progress and promotion; administration of buildings and grounds; adaptation of courses of study to individual needs; purchase of supplies and equipment; establishment and administra-

tion of libraries; supervision of teaching-learning; measuring the work of the twelve-grade school; problems of transportation; importance of maintaining friendly public relations; problems of articulation; integration and unification.

Education 254. (Formerly 164.) Reading in the Elementary School. (3 hours.)

Purpose: To familiarize the elementary school teacher with the best modern principles, methods, and devices to enable him to see these theories carried out in actual practice; to acquaint him with the best literature of the teaching of reading, together with the best basal and supplementary texts available for this purpose.

Education 261. Fundamentals in Early Elementary Education. (3 hours.)

Purpose: (a) to provide graduated approach to student teaching in the primary grades; (b) organize units of work, both group and individual; (c) introduce methods in teaching grades one, two and three; (d) learn to make lesson plans; (e) give practice in organizing materials for the between-recitation period; (f) evaluate theories of teaching in the light of classroom procedure, by direct observation in the Training School, by assigned readings and by classroom discussion; (g) acquaint the student with the common school problems and activities which arise in the experience of teachers as daily program, school sanitation, economy of time, discipline, class and individual instruction; (h) to help the student sense the relation of the school to the community and cultivate a constructive and harmonious contact between the two.

Topics: Standards for observing class work; lesson planning; daily program; teaching pre-primer reading, reading in the primary grades, oral and written expression, spelling, number work, social studies, nature study, health and seat work; measuring progress of instruction; the meaning and the function of the school; school organization and equipment; class organization; function of the course of study, curricular activities, classroom routine and equipment; school sanitation; economy of time; discipline and community cooperation.

Education 262. Fundamentals in Rural Education. (3 hours.)

Purpose: (a) To provide graduated approach to student teaching in rural schools; (b) to give practice in selecting and organizing materials for class work; (c) to develop a technique of lesson planning; (d) to introduce some of the devices used in modern teaching; (e) to suggest desirable relationships between school and community; (f) to evaluate theories of teaching in the light of classroom procedure, by directed observation in the Rural Demonstration School and in the Training School by assigned readings and by class discussion.

Topics: Standards for observing class work; lesson planning; teaching the elementary school subjects in rural schools; selecting and organizing materials; organization of a rural school; school

housekeeping; discipline; schoolroom equipment; school and community relationships; measuring progress of instruction.

Education 263. Fundamentals in Intermediate Education. (3 hours.)

Purpose: (a) to acquaint the student with the common school problems and activities which arise in the experiences of teachers; (b) to help the student see the relation of the school to the community and sense the importance of bringing the schools into the homes; (c) to give practice in organizing units of work for use in the intermediate grades; (d) to give practice in making lesson plans; (e) to introduce some of the devices and methods used in modern teaching; (f) to evaluate theories of teaching in the light of classroom procedure by directed observation in the intermediate grades of the Training School by assigned readings and class discussion.

Topics: The meaning and the function of the school; school organization and equipment; class organization; function of the course of study; curricular activities and materials; classroom routine and equipment; community cooperation; standards for observing class work; lesson planning; teaching the elementary school subjects in the later grades; measuring progress of instruction.

Education 264. Methods of Teaching in the Secondary School. (4 hours.)

Purpose: (a) To provide a graduated approach to student teaching in the high school grades; (b) to give practice in selecting and organizing materials for teaching purposes; (c) to develop a technique of planning instruction; (d) to familiarize prospective high school teachers with the newer forms of teaching technique; (e) to emphasize the desirable outcomes of high school teaching; (f) to analyze and evaluate by directed observation in the Model High School, by assigned and collateral readings, and by class discussion.

Topics: Meaning and problem of method; outcomes of teaching and their development; factors involved in successful learning and teaching situations; planning instruction; selection, organization, and presentation of subject matter; selecting desirable lesson types; questioning as a teaching procedure; lesson assignment procedures; problem method; teaching pupils to think; project work; socialized class procedures; recitation method; appreciation and enjoyment lesson; expression lesson; laboratory method; lecture method; habit-formation, drill and distributed practice; review procedures; standards and measurements in instruction, informal tests, quizzes, examinations, and marking; teaching pupils how to study and supervising pupil study; visual instruction; technique of using visual aids; adjustment of instruction to individual needs; individual instruction; developing interests; motivation; relation of discipline to instruction; use of textbooks and collateral reading; use of concrete materials in instruction; some illustrative teaching procedures; economy of time

and effort; technique of class management; providing opportunity for pupil's activities; exhibiting useful teaching traits.

Education 265. Supervised Student Teaching in the Early Elementary Grades. (3 hours.)

Prerequisite: 261 or 262.

Purpose: It is the purpose of this course (1) to develop by practice the skills, techniques and controls essential to successful classroom procedure in primary teaching; and (2) to acquaint the student teacher with modern devices and materials of primary teaching.

Topics: At first the student teacher observes activities of the classroom, studies the children and the materials of instruction used. Under the training teacher's supervision activities are planned, and help is given in the performance of routine. Actual class teaching begins with a small group of children, but near the end of the term the student teacher is expected to take charge of the entire room for a whole day. All student teachers meet the training teacher under whom they work for a one-hour conference period daily.

Education 263. Supervised Student Teaching in the Intermediate Grades and High School. (3 hours.)

Prerequisite: 262, 263 or 264.

Purpose: It is the purpose of this course (1) to develop by practice the skills, techniques and controls essential to successful classroom procedure in the upper grades and junior high school; and (2) to acquaint the student teacher with modern devices and materials for teaching.

Topics: At first the student teacher observes activities of the classroom, studies the children and the subject matter he intends to teach. Under the training teacher's supervision lessons are planned and help given in performance of routine. At least two different subjects are taught during the term. If a student teacher has a special subject in which he is taking a major or a minor, he may do one-half of his student teaching in that subject. All student teachers meet the training teacher under whom they work for one-hour conference period daily.

Education 268. Extra-Curricular Activity. (2 hours.)

Purpose: (a) To provide a brief survey of the organization of extra-curricular activity; (b) to familiarize prospective teachers with the basic principles and educational philosophy underlying extra-curricular activity; (c) to suggest desirable programs of activity and to assist teachers in planning and conducting such programs; (d) to interpret and evaluate student organizations and activities.

Topics: Origin, development, and present status of extra-curricular activities; objectives and functions of student organizations, distinctions between curricular activities and extra-curricular activities; principles and practices governing the supervision and administration of activities; some apparent dangers of extra-curricular activity; types of activities and organizations; home-room organization

and activity; the assembly; student participation in school government; programs for special days and occasions; supervising play and athletic activities; clubs; dramatic and musical organizations; literary societies, debating, and public speaking; school trips and excursions; secret societies; social activities; school publications, school newspaper, magazine, yearbook, and handbook; honor societies; commencement and class day programs; school banks and banking; study hall and library activities; training and guidance of student chairmen, secretaries, and leaders; parliamentary procedures; girl reserve movement; Christian Association; the Junior Red Cross; Boy Scouts; Girl Scouts; Camp Fire Girls; drives and campaigns; faculty advisers and relationships; encouraging and limiting student participation; duties of the director of activities, the principal, dean of girls, sponsors, and teachers with reference to extra-curricular activities, citizenship and school spirit; manners and courtesy; publicity for organizations; materials for programs; conduct of programs and assemblies; relation of the teacher to the community; criteria for evaluating extra-curricular activities.

Education 269. Visual Instruction. (2 hours.)

Purpose: (a) To give the student an appreciation of the possibilities of visual education; (b) to set up criteria for selecting and buying materials and equipment for visual instruction; (c) to acquaint the student with the sources, uses and care of visual education equipment.

Topics: The psychology and value of visual education; the place and use of visual instruction in teaching the different subjects at the various grade levels; the criteria for the selection and purchase of equipment together with the sources and costs of it; the use and care of such equipment.

Education 302. Philosophy of Education. (3 hours.)

Purpose: (a) To lead the student to recognize that education is the process by which one's attitudes toward society are formed; (b) to assist the student in discovering the relation between education and the character of government under which he lives; (c) to help him to understand the meaning of education in his effort to achieve the abundant life.

Topics: The meaning of education; educational values; education and democracy; the development of ideals; education as a necessity of life; education as growth; interest and discipline; thinking in education; the nature of the subject matter; education and philosophy.

Education 305. Educational Sociology. (2 hours.)

Purposes: (a) to investigate the several factors and laws upon which educational theory and practice must rest; (b) to give a concrete picture of the actual conditions and the distinctive characteristics of group life; (c) to furnish teachers and prospective teachers with a fundamental background necessary for a sympathetic understanding of the relation of the school to the upbuilding of the other

institutions of the community; (d) to study the social forces which determine the selection of school subjects, their content, method of presentation, and social values.

Topics: The relation of sociology to education; the problems with which educational sociology deals; the individual in relation to the group; the nature of society; social groups, their classification, and functions; problems of the modern home; social analysis of play; neighborhood and community; isolation, contact, and social interaction; social forces and their significance in modern society; problems of the church in a changing civilization; the state, democracy, and education; evolution of the modern school; social and educational surveys; the sociological determination of educational objectives; the selection of school subjects; social elements and values in the curriculum; vocational education sociologically analyzed; educational and vocational guidance; social phases of school discipline; socialized methods of teaching; the essential elements of a socialized school.

Education 311. Character Education. (2 hours.)

Purpose: To afford the student an acquaintance with the psychology of and the proposed plans for character development.

Topics: Need of character education; objectives of character education; sources of conduct; evolution of conduct; methods of measuring personality and character growth; plans for character development—home training, direct instruction, discipline, codes, honor systems, extra-curricular activities, curricular activities, and religious organizations; the most promising experiments; research needed.

Education 315. Advanced Educational Psychology. (3 hours.)

Purpose: (a) To enable the student to become better acquainted with the native equipment of children; (b) to test the student's ability to teach by his knowledge of how learning occurs; (c) to discuss conditions for effective school work; (d) to apply the principles of psychology to the solution of the teacher's problems.

Topics: Introduction; nature and nurture; the organism; innate tendencies; mental measurement; individual differences; causes of individual differences; measures of individual differences; general principles of learning; special abilities and disabilities in learning; learning and motivation; the psychology of the teacher; the psychology of language, reading, spelling, and arithmetic; transfer of training.

Education 318. Educational Guidance. (2 hours.)

Purpose: To have those who are interested make a survey of the methods that have been used in the past and a critical examination of the methods now being employed in educational guidance.

Topics: Evolution of educational guidance; nature of educational guidance; need for guidance; how some representative workers are meeting the need for guidance; nature of elementary school guidance; nature of secondary school guidance; tests, measurements,

aptitude, ability, and personality rating scales with especial reference to their usefulness in the guidance of young people; social activity; school work and health of students; solving problems of individual maladjustment; vocational guidance; form and content of record blank.

Education 321. Educational Measurement. (2 hours.) Fee, \$1.25.

Purpose: To ascertain the need for accuracy in measurement in education; to evaluate the ordinary examination; to find ways to improve the traditional examination; to acquaint the student with the most prominent of the standardized tests now in use and to study their merits and deficiencies; to develop some degree of skill in the construction of tests; to familiarize the student with the elementary statistical procedures applicable to tests and to indicate the social, educational and vocational significance of tests.

Topics: A historical survey of the development of mental and educational tests; the nature and classification of standardized tests; the construction of tests; the importance of accuracy in measurement; reliability; validity; extent to which standardized measures should replace traditional types of measurement; methods of improving the ordinary examination; the criteria for the selection of standardized tests; statistical analyses of the test data; use of the results for comparison, classification, promotion, guidance, prognosis, diagnosis, measuring the efficiency of methods of instruction, of teachers, and of schools, and the like.

Education 331. History of Education. (3 hours.)

Purpose: (a) To enable the student to understand and appreciate the place education holds in the development of modern civilization; (b) to analyze and interpret modern educational theories and practice in the light of our educational heritage; (c) to familiarize the student with the rise and development of public education in the United States.

Topics: Brief survey of the history of education in ancient and medieval times with special reference to the contribution of Greece and Rome and Christianity to modern education; educational influences of the Renaissance and the Protestant Reformation; the role of the doctrine of formal discipline; education influences of Comenius, Rousseau, Pestalozzi, Froebel, and Herbart; rise and development of public education in the United States with emphasis upon the work of Horace Mann, Henry Barnard, and James G. Carter; sociological, psychological, and scientific movements in education; desirable educational reorganizations; brief study of the history and development of public education in Kentucky.

Education 341. The Elementary School Curriculum. (3 hours.)

Purpose: (a) To acquaint the student with the literature on curriculum construction; (b) to develop fundamental principles which underlie the construction and interpretation of the curriculum and

to apply these principles to the organization of specific units of subject matter.

Topics: Objectives of education; function of the school; function of the curriculum; the curriculum as related to the objectives of education; criteria for evaluating curricula; need and procedure for curriculum construction and revision.

Education 351. (Formerly Education 251.) Rural School Supervision. (3 hours.)

Purposes: (a) To emphasize the need for the supervision of instruction in rural schools; (b) to assist the student in planning and administering a desirable supervisory program; (c) to give instruction in the use of the various agencies of supervision; (d) to study the proper function of the supervisor and to show how supervision can best serve country teachers.

Topics: Distinction between supervision and administration; nature and problems of supervision; status of rural school supervision in a few representative states; handicaps and possibilities of the rural school; purposes and principles of supervision; preparation of a constructive supervisory program; organization of the school; relation of the school to the community; gradation and classification of pupils; studying the teacher at work; improvement of teaching through better selection and organization of subject matter; evaluating the efficiency of teachers and supervisors; training and personality of supervisors; ways of measuring supervision; use of circular letters, bulletins, school publicity, demonstration teaching, teachers' meetings, school and classroom visitation, personal conferences, constructive criticism, summer school attendance, extension and correspondence work; tests and measurements, research and experimentation, school exhibits and clubs, intervisitation, and professional reading as agencies of supervision. Throughout the course the improvement of teachers in service is emphasized. Each member of the class is expected to plan a careful program of supervision for a county in Kentucky as a project in connection with the course.

Education 352. (Formerly Education 252.) County School Administration. (3 hours.)

Purposes: (a) To acquaint the student with some of the fundamental problems connected with the administration of county schools; (b) to present a desirable philosophy of rural education; (c) to familiarize the student with the growing importance of the county superintendency.

Topics: The relation between the state and the county in the administration of schools; powers, duties, and qualifications of the county superintendent; powers, duties and qualifications of the members of the county board of education; school organization and control; the county unit system: the school plant, location, equipment, and care of buildings; consolidation of schools; standardization of rural schools; health program for rural schools; curriculum problems;

playgrounds and playground equipment; problems of small schools, especially of one-, two-, and three-teacher schools; the junior high school in rural areas; the county high school; community and county organization; the county superintendent's office, needed space and proper equipment; duties of the county superintendent as secretary of the county board; relations between the superintendent and the board; bookkeeping of the county superintendent; budget-making; making the salary schedule; selection placement, and promotion of teachers; child accounting and attendance problems; records and reports; filing records and reports; the proper recording of the minutes and orders of the board; the distribution of funds; school costs and financial accounting; business management; correspondence, office hours, and miscellaneous office routine; office assistants and duties assigned each.

Education 358. Public School Finance. (2 hours.)

Purpose: To acquaint the student with the problems of financing the public schools of the land. Some attention is paid to general tax theory, but most of the time is spent on practical financial problems of the local school district, and the financial relationship between the local district and the state.

Topics: Among the topics studied the following may be mentioned: The growth of the cost of education, comparative costs in education, the school budget, financial records and accounts, school indebtedness, control of school finances, financial aspects of school publicity, educational inequalities; the units of school support, apportioning the benefits and the sources of public school revenue.

Education 363. Student Teaching. (5 or 2 hours.)

Prerequisite: Education 261, 262, 263, or 264.

Purpose: The purpose of this course is (1) to develop the skills, techniques, and controls necessary to successful classroom teaching; and (2) to acquaint the student teacher with modern devices, materials, and methods of teaching.

Topics: The student teacher observes the activities of the classroom, studies the children and the subject matter he intends to teach. Lesson plans are made under the direction of the critic teacher and directions are given by the critic teacher for the performance of routine duties. Student teachers meet the training teacher under whom they work for one hour of conference period daily.

DIVISION OF HEALTH AND PHYSICAL EDUCATION

Mr. Farris	Miss Hood	Mr. McDonough
Mr. Carter	Miss Hughes	Mr. Portwood
Mr. Hembree	Mr. Hughes	Miss White

Health

Mr. Farris	Mr. Hembree	Miss Hughes
Mr. Carter	Miss Hood	Mr. McDonough
	Miss White	

Health 100. Personal Hygiene. (2 hours.) Women, first semester; men, second semester.

Purpose: This course is designed to teach the student the value of correct living habits.

Topics: Structure and care of the human body; desirable health practices; value of health examinations; the place of health in modern civilization; unscientific and irrational health proposals; disease prevention by immunization; disease control by isolation and quarantine, etc.

Health 101. Sanitary Science. (3 hours.)

Purpose: To study the fundamental principles of sanitary science and disease prevention and applications of these principles in solving problems of Home Sanitation and Public Health.

Topics: Micro-organisms in relation to sanitation; personal and public hygiene; food protection and preservation; the protection of the water and milk supply; immunization and control of communicable diseases; home and school sanitation; social and economic aspects of health problems; health administration; function and authority of health officers, etc.

Health 202. First Aid to the Injured. (1 hour.) Fee, 50c.

Purpose: To prepare the prospective teacher, by demonstration and practice, to treat the emergencies which present themselves in the schoolroom, on the playground, and on the athletic field.

Topics: Bandaging, transportation of injured, artificial respiration, splinting, treatment of shock, injuries in home, wounds, and accident prevention.

Health 231. Home Nursing. (Formerly Home Economics 231.) (2 hours.)

Prerequisite: Health 100 or 101.

Purpose: To enable girls to administer first aid and to teach the home care of the sick.

Topics: Duties of a home nurse; preparation and care of the room for a patient; study of pulse, respiration, etc.; bathing patients

in bed; making of beds; simple home-made appliance for the comfort of a patient; special treatment for particular peculiar illnesses; serving of meals to patients; first aid treatments.

Health 303. Advanced Sanitary Science. (5 hours.) Laboratory fee, \$4.00.

Purpose: This is an introductory course in Bacteriology in which the student is taught the relationship between bacteria and human welfare.

Topics: Stains and staining technique; sterilization; preparation of culture media; isolation and identification of bacteria; efficiency of disinfectants, control of communicable diseases; determination of the sanitary quality of milk and water. Some pathogens will be introduced for purposes of laboratory study, etc.

Health 304. Bacteriology of Foods. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Health 303.

Purpose: To study control measures for micro-organisms responsible in food spoilage and food poisoning.

Topics: Fermentation; food poisoning; food preservation; canning; pickling; use of chemicals in food preservation.

Health 362. Individual Gymnastics. (2 hours.) Fee, 50c.

Purpose: Adaptation of exercises to the individual needs of the student.

Topics: Diagnosis and prescription of exercise for deformities of the human body; examination records and equipment; corrective exercises for individuals and groups.

Health 365. Materials and Methods for Teaching Health Education. (3 hours.)

Prerequisites: Health 100 and 101.

Purpose: To present the general and special principles which should govern the selection and organization of health materials. Methods for the teaching of health are discussed and practiced.

Topics: Objectives of health program; development of a health consciousness; the use of the school environment as teaching material; health projects; an analysis of school practices and activities as they contribute to health. Required of all Physical and Health Education majors.

Physical Education

Mr. McDonough

Miss Hood

Mr. Hughes

Mr. Hembree

Miss Hughes

Mr. Portwood

Recreational Activities. (½ hour.) Required of all Freshmen and Sophomores. Fee 50c.

Purpose: To cultivate in the individual the desirable attitude toward play in relation to the proper use of leisure time. Sports with the greatest carry-over and games requiring minimum equipment are stressed.

Activities:

Section A. Circle games, relays, game skills, mass games, and plays.

Section B. (Women.) Story plays and rhythmical activities.

(Men.) Modified athletics—playground baseball, volley ball, touch football, cage ball, basketball, and handball.

Section C. (Women.) Swimming.

(Men.) Self testing activities and combative work.

Section D. (Women.) Modified athletics and self testing activities.

(Men.) Swimming.

Physical Education 114. Plays and Games. (2 hours.) Fee, 50c.

Purpose: This course is designed for teachers in rural and urban schools who are required to conduct plays and games.

Topics: Plays and games will be taught and adapted to school-room, playground, and gymnasium. Games with elements of fleeing, dodging, running, throwing, and various tag and "it" games will be included in the course.

Physical Education 115. Rhythmical Activities. (Formerly Folk Dancing and Singing Games.) (1 hour.) Fee, 50c.

Purpose: To offer the teacher rhythmical materials for teaching under various conditions.

Topics: Rhythmical plays, folk dancing and national dances. Graded for different levels of school organization.

Physical Education 130. Combative Activities. (2 hours.) Fee, 50.

Purpose: A course designed for physical education majors, minors, and varsity athletes for the purpose of teaching self-defense and conditioning through combative activities.

Activities: Boxing and wrestling. Approximately one-half the time is devoted to each.

Physical Education 210. Elementary Swimming. (1 hour.) Fee, 50c.

Purpose: To give the novice an opportunity to become skillful in a wholesome form of activity from which keen enjoyment and safety may be derived.

Activities: Elementary crawl, side stroke, elementary back stroke, and treading.

Physical Education 214. Natural Dancing. (1 hour.) Fee, 50c.

Purpose: To interpret music through dancing, give training in rhythm, etc.

Activities: Solo and group dances are presented which are adaptable to demonstrations, festivals, and pageants.

Physical Education 250. Scouting and Clubcraft. (3 hours.) (Men.) Fee, 50c.

Purpose: This course is intended for those interested in becoming scoutmasters. Club work is also taken into consideration.

Topics: Study of specific community and recreational programs; history and principles of scouting. Practical scoutcraft and clubcraft is emphasized; scoutmasters' certificate is awarded to all completing the course.

Physical Education 251. Clubcraft. (3 hours.) (Women.) Fee, 50c.

Purpose: This course is offered so as to acquaint the teacher with a background of the theory and practice of club work and recreation in general.

Topics: Girls scouts, girl reserves, camping, fire and woodcraft organizations.

Physical Education 261. Coaching Basketball. (1 hour.) (Men.) Fee, 50c. (Nine weeks.)

Purpose: Course offered to give prospective coaches a theoretical and practical background.

Topics: Principles of game; requirements for each position; individual and team coaching; systems of offense and defense; interpretation of rules; officiating. Participation on varsity or intramural teams required.

Physical Education 263. Coaching Baseball. (1 hour.) Fee, 50c. (Nine weeks.)

Purpose: Course designed to give prospective coaches a theoretical background as well as an opportunity to participate in baseball.

Topics: Batting, pitching, base running, theory and practice. Team work and individual fielding of each position; how to organize and conduct intramural and interschool schedules.

Physical Education 264. Coaching Football. (1 hour.) Fee, 50c. (Nine weeks.)

Purpose: A course designed for players and prospective coaches.

Topics: General principles; systems; generalships; strategy; rules; officiating; equipment, and schedules.

Physical Education 265. Coaching Track and Field. (1 hour.) Fee, 50c. (Nine weeks.)

Purpose: A course for men preparing to coach in Junior or Senior High School.

Topics: Accepted track and field activities, training methods; organization of meets and field days.

Physical Education 266. Materials and Methods for Teaching Physical Education. (3 hours.)

Purpose: A professional course for classroom and playground teachers and leaders.

Topics: Mental, social, and hygienic values of physical education; measurement in physical education; study of programs; materials for Elementary and Intermediate grade levels; lesson planning and observation.

Physical Education 267. Physical Training Activities. (2 hours.) Fee, 50c.

Purpose: It is designed for those contemplating leadership in physical education.

Topics: Tactics; dancing; free exercise; hand apparatus; mimetics and games, and stunts.

Physical Education 268. Advanced Physical Training Activities. (2 hours.) Fee, 50c.

Prerequisite: Physical Education 267.

Purpose: Continuation of Physical Education 267.

Topics: Advanced tactics, drills for demonstrations, natural exercises, pyramid building, games, opportunity for leadership and practice teaching.

Physical Education 275. Clog and Character Dancing. (1 hour.) Fee, 50c.

Purpose: Teaching dances and rhythmic step of a vigorous nature.

Activities: Stunts; athletic dancing; folk character and clog steps.

Physical Education 276. (New.) Advanced Clogging. (1 hour.) Fee, 50c.

Prerequisite: Physical Education 275.

Purpose: Teaching dances and rhythmic step of a vigorous nature.

Activities: Advanced clogs and athletic dances.

Physical Education 363. History and Principles of Physical Education. (3 hours.)

Purpose: This course seeks to establish the place of physical education and to indicate its indispensable character in modern life.

Topics: History of Physical Education; sources and data of principles; aims and objectives; psychology of Physical Education; standards and tests.

Physical Education 368. (New.) Organization of Physical Education. (2 hours.)

Prerequisites: Physical Education 266, 267, 268.

Purpose: Designed for minors and majors in health and physical education, dealing with mediums through which activity may be organized in junior and senior high schools.

Topics: Intramurals, sport days, festivals, and community play days; incentives; point systems, grading, awards, standards, etc.; tests and measurements; care of gymnasium and equipment; activities suitable for junior and senior high school pupils.

DIVISION OF LANGUAGES

Mr. Clark
Mrs. Barnhill

Miss Buchanan
Mr. Keene

Mrs. Murbach
Miss Pollitt

English

Mr. Clark

Miss Buchanan
Mrs. Barnhill

Mr. Keene

English 101. Oral and Written Composition. (3 hours.)

Purpose: To insure the learning and habitual practice of mechanical correctness of language in all ordinary speech and writing situations, and to develop student ability of self-criticism in matters of such correctness.

Topics: Recognition drills on parts of speech, inflected forms, phrases, clauses, the whole sentence; construction and syntax of chief inflected forms; sentence analysis; sentence construction; sentence variety; subordination; punctuation; dictionary study of accent and diacritical marks; spelling drills in most commonly misspelled words; paragraph writing; laboratory theme writing exercises; additional drills on all common types of mechanical language errors; brief narrative and expository talks on subjects within personal observation and experiences.

English 102. Oral and Written Composition. (3 hours.)

Prerequisite: English 101.

Purpose: To help the student in the matter of clear thinking and effective use of language.

Topics: The evaluation of what we see and hear; accuracy of observation and statement; the clarifying of our thoughts and impressions; the selection and use of materials; the planning and construction of many oral and written themes.

English 163. Fundamentals of Speech. (3 hours.)

Prerequisite: English 101.

Purpose: To enable teachers to acquire for themselves attractive voices and pleasing speech habits for reading and speaking, and to equip them for developing these qualities in their pupils.

Topics: Corrective drill work for posture and movement; the applied science of voice production; characteristics of a pleasing voice; individual diagnosis of voice qualities; tone-placing; enunciation; pronunciation; pitch, stress, and volume. The course affords much practice in individual speaking and reading under careful, constructive criticism.

English 201. Journalism. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To teach the student how to read and judge a newspaper; to familiarize him with the best current newspapers, their policies, and their methods; to give instruction in the kinds and methods of journalistic writing and practice in writing; to show him how to make up a paper, write headlines, and prepare manuscript; to consider the problems of managing and advising school publications; to edit a paper.

Topics: Comparison of many newspapers as to amount and kind of news, make-ups, size, type, headlines, advertising, tone, etc., kinds and methods of journalistic writing and practices in each; headlines; make-up; copy; proof reading; organization of staff; problems in managing and advising an editorial and business staff and suggestive methods.

English 205. Argumentation. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To teach how to recognize, build, and present sound argument; to show the relation of persuasion to argument.

Topics: This course takes up analysis, evidence and proof, kinds of argument, fallacies, brief-drawing, platform technique, reports on lectures, political speeches, etc., and the writing of a forensic.

English 211. English Literature. (3 hours.)

Prerequisite: English 101 and 102.

Purpose: To bring within student experience the content of selected English literature from Beowulf to Robert Burns, considered against the background of English life, tradition, and history; and to give some guidance in the selecting of suitable material from this field for the upper grades and high school.

Topics: Historical summary of the origins of the English people and traditions; pagan and Christian Anglo Saxon writings and folklore; Celtic elements; French influence and literature of chivalry; Chaucer's England; the Renaissance; the spirit of Elizabethan England; Puritan influences; eighteenth century formalism; development of prose; beginnings of journalism; the rise of the novel; Johnson and his contemporaries; the dawn of Romanticism; the nature of literature; values in literature; English poetics.

English 212. English Literature. (3 hours.)

Prerequisite: English 101 and 102.

Purpose: To familiarize the student with the England of the nineteenth and twentieth centuries, and with the movements, influences, leading forms, writers, and contents of the best literature of these centuries; to set up some criteria for judging literature; to instill an appreciation for the best; to give some guidance in selecting from this field appropriate material for study in the upper grades and high school.

Topics: The Romantic period, characteristics, influences, writers, literature as to form, method, and content; mid and post-Victorian period—characteristics, influences, writers, literature as to form, method, and content; modern tendencies in English literature as to

leading forms, method, and content; values in literature; English poetics.

English 213. American Literature. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To acquaint student with American life and thought as reflected in the best representative American writers, considered in relation to environmental influences and prevailing literary tendencies from pioneer to recent times; to develop some degree of literary discrimination; to help students select suitable material from this field for the upper grades and high school.

Topics: The pioneer spirit in religious, historical, and journalistic writings; literature of the Revolution; statesmanship of the new nation; nineteenth century Romanticism; Transcendentalism: disunion and reunion; growth of a realistic spirit; literature of local color; contemporary literature of realism and revolt; such readings in literary history and biography as may be helpful in an understanding of the literature studied; values and elements of appeal for the upper grades and high school.

English 215. Nineteenth Century Prose. (3 hours.) (Not offered in 1933-34.)

Prerequisites: Freshman English and one survey course.

Purpose: To familiarize the teacher with the work of the great essayists of the nineteenth century, and to show how varied was the thought for which the essay was the vehicle of expression.

Topics: This course includes a study of representative essays of the leading English and American essayists of the nineteenth century, with attention on the types of essays, and the literary, social, political, and religious or moral ideals set forth in the essays; an analysis of the prose style of some of the essayists; oral and written reports.

English 216. The Short Story. (2 hours.)

Prerequisites: Freshman English and one survey course.

Purpose: To study and compare many types of stories and methods of construction; to study the development of the American short story from Irving to the present day; to acquaint the student with the best writers of stories and the best stories; to set up some criteria for judging a short story.

Topics: The technique of the short story; the development of the American short story; comparison of types and methods of the short story; romanticism and realism in stories; extensive reading of stories both foreign and American; the writing of a story or of a paper; short stories for high schools.

English 217. Contemporary Literature. (3 hours.)

Prerequisites: Freshman English and at least one survey course.

Purpose: The purpose of this course is to acquaint the student with the literary tendencies of the last decade and to foster a discriminating attitude toward current literature.

Topics: New names, new influences, and new trends, and the relation of these to former periods in the development of literature; the relative importance of old and new books; the proper emphasis upon literature of escape and that of self-realization; the evaluation of current literature; advantages and limitations of book-reviews and commercial organizations designed to assist in the selection of new books; the place of newspapers and magazines in our reading during leisure hours. The reading for this course is extensive rather than intensive and is not confined to the literature of any one type nor of any one nation.

English 231. Public Speaking. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To train students for effective participation in the normal speaking situations.

Topics: Physiological basis of voice and corrective voice drills; source and organization of speech materials; objectives and audience considerations; practice in preparation and delivery of speeches for various occasions, purposes, and audiences; speech criticism; parliamentary procedure with participation drills.

English 261. Literature for Primary Grades. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To pursue a somewhat systematic study of children's literature in order that the primary teacher may know and appreciate the best in this particular field.

To give the student a rich background from a rather wide reading of children's books in order that she may be capable of guiding children's reading.

Topics: The course includes a brief survey of the history of children's literature and a study of the literature itself under the following topics: Mother Goose, Fairy Tales, Folklore and Fables, Realistic and Fanciful stories, and children's poetry. Picture books and modern illustrators of children's books will also be studied. Methods of teaching literature in the primary grades are incidentally touched upon.

English 262. Play Producing. (2 hours.)

Prerequisites: English 101 and 102.

Purpose: A practical laboratory course to prepare students to produce plays in schools and communities.

Topics: Organization and duties of producing staff; designing, making, and painting scenery; lighting and mechanical equipment of stage; costuming and make-up; theories of color and design on stage; practical work in mounting plays on miniature stage and the public presentation of class work; collateral reading in the history of the stage and national trends in theater design.

English 263. Play Directing. (2 hours.)

Prerequisites: English 101 and 102.

Purpose: To acquaint the student with types, theories, and practices in directing plays.

Topics: Relation of director to play, author, actor, and staff; methods of choosing plays and casts; methods of rehearsing; blocking and building dramatic scenes; study of rhythm, design, and grouping; of tempo, atmosphere, and climax; character interpretation; practice work in directing; elementary principles of voice and diction; collateral reading in theory of play coaching and of plays suitable to amateur production.

English 264. Story Telling. (3 hours.) (Not offered in 1932-33).

Prerequisite: English 261.

Purpose: To acquaint the teacher with the materials for story telling, and with the techniques to be used in different grades and with different audiences.

Topics: History of story telling; purpose and aim of story telling; the story interests of childhood; preparing the story; telling the story; condensing and expanding the story; dramatizing the story; uses of the story in school room subjects; technique suitable to various ages and types of children; technique required for adults. A considerable stock of stories of a wide range of appeal is mastered. Much practice is given in the actual telling of stories to children. Constructive analysis of each student's performance is afforded.

English 265. (Formerly English 165.) Grammar for Teachers. (2 hours.)

Prerequisites: English 101 and 102.

Purpose: To review the principles of English grammar and acquaint the teacher with some of the problems connected with the teaching of grammar.

Topics: In the course are studied the parts of speech, syntax, and sentence analysis. The history of the teaching of grammar, and methods of testing and measuring progress are also touched upon.

English 266. Literature for the Intermediate Grades. (3 hours).

Prerequisites: English 101 and 102.

Purpose: To offer the students opportunity for making a wide acquaintance with books for children of the intermediate grades so that they may share more fully with the children the pleasures of good reading.

Topics: This course includes extensive reading of the following types of children's literature: myths, epics and sagas, the romance cycles, poetry, fiction, biography, historical and geographical literature. The study will be sufficiently detailed to give a good basis for the appreciation, selection, and presentation of the best and most suitable material for the intermediate grades.

English 301. Advanced Composition. (3 hours.) Required of juniors and seniors who have less than six hours of freshman English, and of English majors and first minors.

Purpose: To give the teacher practice in collecting, organizing, and presenting material in an effective written form; to encourage creative writing.

Topics: Practice is given in writing reports, recommendations, research papers, familiar essays, short stories, feature articles, or other forms of journalistic writing. Students are urged to write with a view to submitting their articles to suitable periodicals for publication. Some attention is given to the materials for high school composition.

English 311. Shakespeare. (3 hours.)

Prerequisites: Freshman English and one survey course.

Purpose: To give the student a knowledge of the technique and content of Shakespeare's dramas, and a knowledge of Shakespeare's England and of his contemporaries, to consider certain of his dramas with reference to their place in high school English.

Topics: The course includes an extensive reading of Shakespeare's dramas and an intensive study of the technique, sources, and content of a few; a discussion of the Elizabethan theater, the Elizabethan people, Elizabethan dramatics, movements, and events which influenced Elizabethan thought; the development of drama to the death of Shakespeare; elements of appeal to high school pupils.

English 312. Contemporary Drama. (3 hours.) (Not offered in 1932-33.)

Prerequisites: Freshman English and one survey course.

Purpose: To acquaint the student with modern tendencies in drama; to give him a knowledge of movements and influences which have combined to make our drama what it is today; to familiarize him with the best modern drama and dramatists of all countries; to help him establish some criteria for judging drama.

Topics: This course includes an extensive reading of modern dramas of all nations; a discussion of the development of drama from Ibsen to the present day; a modern technique in drama; of realism, naturalism, and romanticism in drama; of the problems treated in modern dramas; of the Irish movement and the Little Theater; and of the national and individual characteristics of dramatists; suitable plays for study in the high school.

English 313. World Literature. (3 hours.) (Not offered in 1932-33.)

Prerequisites: Freshman English and two courses in literature.

Purpose: To give the student some conception of the continuity of literature from ancient to modern times and to acquaint him with some of the masterpieces of literature of different nations.

Topics: Ideals and view of life in ancient Hebrew sacred literature, Greek epic and tragedy, Roman comedy, Teutonic mythology and saga, romance, Dante to Renaissance, Voltaire, Rousseau, Goethe's Faust; modern European criticism.

English 314. The Novel. (3 hours.)

Prerequisites: Freshman English and one survey course.

Purpose: To acquaint the student with some of the choicest fiction of England and America, to interest him in that of other countries, and to raise the level of his taste in novels.

Topics: The development of the novel in England and America; the distinction between the romance and the psychological novel, and the place of each in our reading; some characteristics of harmful and worthless fiction; some tendencies of present-day novelists.

English 321. Romantic School of Poets. (3 hours.) Not offered in 1932-33.)

Prerequisites: Freshman English and one survey course.

Purpose: To trace the development and culmination of the Romantic movement; to present the various elements that compose the movement.

Topics: The course includes the beginnings of Romanticism; Burns and his contribution; Wordsworth and his theory of poetry; Coleridge; Scott and Southey; Byron, Shelley, and Keats; definition of romanticism; written reports.

English 322. Victorian Poets. (3 hours.)

Prerequisites: Freshman English and one survey course.

Purpose: To familiarize the student with some of the characteristic poetry from the time of Tennyson until the close of the century, and to help him interpret the spirit of the age through its poetry.

Topics: The social, religious, industrial, and intellectual unrest of the time as evidenced by the poetry; the Oxford Movement; the pre-Raphaelite Brotherhood; naturalism and realism in the latter part of the period; the poetry of Tennyson, the Brownings, Arnold, Swinburne, the Rossettis, Morris, Hardy, and others; a comparison of the work of these poets with that of American poets of the period.

English 323. Milton. (2 hours.)

Prerequisites: Freshman English and two courses in literature.

Purpose: To acquaint the student with the poetic genius, philosophy, and ideals of Milton, and to present the whole body of his poetry.

Topics: The course includes a study of the life of Milton as it affected his writing; his earlier poetry; the development of his genius; the great epic *Paradise Lost* and its interpretation; *Paradise Regained* and *Samson Agonistes*.

English 324. Medieval Story. (2 hours.) (Not offered in 1933-34.)

Prerequisites: Freshman English and two courses in literature.

Purpose: To acquaint the student with the rich field of narrative literature of the Middle Ages, and to show how much of this literature is illustrated in the poetry of Chaucer.

Topics: The course consists chiefly of a study of the various types of medieval story—the folk-epic, the beast tale, the metrical romance, the fabliau, the saint's legend, and the ballad; social and moral ideals which they reveal.

English 335. Interpretative Reading. (3 hours.) (Not offered in 1933-34.)

Prerequisites: Nine hours of English, including English 163 or its equivalent.

Purpose: To enable teachers to interpret literature in classroom and platform reading, and to prepare them to train their pupils in interpretative reading.

Topics: Types of interpretation; gesture; pantomime; resonance; flexibility range; study of enunciation and pronunciation continued; sources of materials; criteria for selecting readings, for preparing contestants and readers, and for judging contests. Much individual work under careful direction is afforded.

English 341. History of the English Language. (2 hours.) (Not offered in 1933-34.)

Prerequisites: Two years of work in English toward a major or first minor in English.

Purpose: To acquaint the student with the way the English language developed.

Topics: The family of languages; the Old English period; the Middle English period; modern English; the foreign and native elements in English; history of English vowel sounds; mutation and gradation; the consonants; English inflections; English accent; collateral readings in the less technical works on the English language.

English 361. Kentucky Literature. (2 hours.)

Prerequisites: English 101, 102, one survey course.

Purpose: To acquaint the student with the literature produced by Kentucky writers; to relate this literature to American literature in general.

Topics: The economic, political, social, and religious background of the early Kentuckians as expressed in their writings; ante-bellum literature, the influence of the War between the States; the rise of the local color fiction group; the revival of poetry; present day writers and tendencies; ballads; seventeenth century survivals in the native idiom.

An opportunity will be offered to familiarize the student with the John Wilson Townsend Collection.

French

Mrs. Murbach

French 151. Elementary French. (3 hours.)

Purposes: (a) To introduce the student into the field of modern language study and acquaint him with the mechanics of the subject; (b) to arouse interest in French literature by the early reading of excerpts from the French classics.

Topics: First thirty-five lessons in MacKenzie & Hamilton "Elementary French Grammar"; reading of seventy-eight pages in "Contes de France," Meras & Roth; drill on oral French, beginning of French conversation, and special ear training in French sounds by use of French victrola records.

French 152. Elementary French. (3 hours.)

Prerequisite: French 151 or one unit of high school French.

Purpose: To continue the study begun in 151.

Topics: Lessons 35-62, MacKenzie "Elementary French Grammar"; pp. 79-126, "Petitus Contes de France," Meras & Roth; "Le Voyage de M. Perrichon," Labiche; copious work in oral French.

French 251. Intermediate French. (3 hours.) Not offered 1932-33.

Prerequisite: French 151, 152 or two units of high school French.

Purposes: (a) To continue the study of French grammar; (b) to increase the student's use and comprehension of oral French; (c) to continue the study of French Literature.

Topics: (a) Careful study of Badaire's "Precis de la Literature Francaise"; (b) Rapid reading of "Le Roman d'un Jeune Homme Padre," Feuillet; and "Le Petit Journal," with class discussions conducted in French; (c) Grammar review in "French Review Grammar," Barton and Sirich.

French 252. Intermediate French. (3 hours.) Not offered 1932-33.

Prerequisite: French 151, 152, 251, or three units of high school French.

Purposes: To increase skill in translating and writing French and in comprehending and using the spoken French.

Topics: (a) Intensive reading of "Colomba", Merimee; (b) Rapid reading for conversational purposes of "L'Abbe Constantin", Halevy, and "Le Petit Journal"; (c) French composition.

French 254. French Prose Classics. (3 hours.)

Prerequisite: 251, 252 or four units of high school French.

Purposes: (a) To develop the student's powers to read French rapidly; (b) to increase facility in the use of spoken French.

Topics: (a) Intensive reading of "Les Trois Mousquetaires", Dumas; "Quatre-Vingt-Treize", Hugo; "Eugenie Grandet", Balzac; (b) Selected library readings from Montaigne, Fenelon, Mme. de Sevigne, Rousseau, Voltaire, Diderot; (c) grammar review and composition.

French 255. French Prose Classics. (3 hours.)

Prerequisite: French 254.

Purpose: To continue the work begun in 254.

Topics: (a) Class discussion of one work of the authors Daudet, Maupassant, Sand, Bazin and Loti; (b) Library reading from the works of Chateaubriand, Mme. de Stael, Lamartine, Flaubert, Zola, Bordeaux, Barres and France; (c) Grammar review in "Sketch Maps of France," Kullmer and Gerard.

French 355. French Drama. (2 hours.) Not offered 1932-33.

Prerequisite: French 254 and 255.

Purpose: (a) To follow the rich stream of French drama from medieval times to the present; (b) to see something of the development of French thought as reflected in the national drama.

Topics: (a) Medieval romanticism, the renaissance, classicism, eighteenth century satirical drama, modern romanticism and the schools which sprang from it are treated in lectures; (b) Representative plays from the drama of the last three centuries are read.

French 356. French Seminar. (2 hours.) Not offered 1932-33.

Purpose: (a) This course is designed to round out as much as possible the major work in French, giving a view of the subject as a whole, supplementing at points which have of necessity been neglected and discussing problems for study in the future as the student goes into the teaching field or the graduate school.

Topics: (a) Rapid review of the great schools of prose, drama and poetry; (b) weekly compositions on assigned subjects in French literature; (c) conversation in the salon manner on problems of interest to the language student.

French 365. Teacher Training Course. (1 hour.) Not offered 1932-33.

Prerequisite: French 253 or 255.

Purposes: To review grammar principles and phonetics; to take up methods used in teaching French in elementary and high schools; to discuss textbooks, anthologies and sources of material for extra curricular interests in language for teacher and student.

Topics: Handschin's "Methods of Teaching Modern Languages;" Nitze and Wilkins "Handbook of French Phonetics"; library reading of the "Report of the Committee of Twelve"; assigned readings in the Modern Language Journal.

German

Miss Pollitt

German 131. Elementary German. (3 hours.) Not offered 1932-33.

German 132. Elementary German (Continued). (3 hours.) Not offered 1932-33.

German 231. Intermediate German. (3 hours.)

Prerequisite: German 131 and 132, or two units of High School German.

Purpose: To continue the study of German language and literature.

Topics: (a) Work in German prose translation, (b) reading of selected German classics of intermediate difficulty, (c) conversation, (d) book reports on various translations of German masterpieces.

German 232. Intermediate German (Continued). (3 hours.)

Prerequisite: German 131, 132, 231, or three units of high school German.

Topics: Continuation of work of German 231 on higher levels and of greater difficulty.

Latin

Miss Pollitt

Latin 104. Selections from Livy. (3 hours.)

Prerequisite: Three units of high school Latin or the equivalent thereof.

Purposes: (a) To develop the power of rapid translation for information; (b) to gain first hand acquaintance with the source books of Roman history; (c) to acquire correct pronunciation and habit of reading the original Latin text.

Topics: (a) Survey of Roman history from foundation of Rome to close of second Punic War as related to Livy's History Books, I, XXI, and XXII; (b) assigned readings from such historians as Mommson, Heitland and others; (c) cursory examination of Livy's source material; (d) comparative study of Rome and Carthage; (e) critical study of Livy's style.

Latin 108. Selections from Horace. (3 hours.)

Prerequisite: Three units of high school Latin, or the equivalent thereof.

Purposes: (a) To afford the student a comparative view of the Augustan Age, the most brilliant period of Latin literature; (b) to develop appreciation for the metrical perfection of Horace and his contemporaries; (c) to emphasize as in 104 the value of reading from the Latin text, both for metrical values and pronunciation habits.

Topics: (a) Selected Odes, Epodes and Satires of Horace; (b) selections from Catullus for comparative study; (c) study of Augustan Age, both from a literary point of view and political; (d) study of Horace's personality, point of view and philosophy of life; (e) comparison between the Rome of Horace and the city of today; (f) study of various metres employed by Horace, with special attention to the Greek examples; (g) study of translation for poetic appreciation, with study of English translations of Horace's poems.

Latin 121. Intensive Study of First Year Latin. (2 hours.) Not offered 1932-33.

Purposes: (a) The work of this course represents the equivalent of one year's high school Latin and is recommended for teachers of Latin who wish to become acquainted with the newer text books and methods which have been introduced since the Classical Survey. It is not to be given college credit, if Latin has been used for entrance credit, except by indorsement of the Registrar at time of registration; (b) mature students who have some immediate purpose in beginning

in college the study of Latin, such as pre-medical or other pre-professional students, will be admitted.

Topics: Study of first year Latin according to latest text books, using topics recommended by Classical Survey.

Latin 122. Intensive Study of Second Year Latin. (3 hours.) Not offered 1932-33.

Prerequisite: One unit of high school Latin.

Purposes: The object of this course is identical with that of Latin 121, viz.: (a) for review work for teachers; (b) for pre-professional work; (c) to make up earlier deficiencies in Latin.

Topics: (a) Careful review of first year material; (b) Cæsar's Gallic and Civil Wars; (c) selected readings from writers of similar difficulty.

Latin 123. Intensive Study of Third Year Latin. (3 hours.) Not offered 1932-33.

Prerequisite: Two units of high school Latin.

Purpose: The object of this course is identical with that of Latin 122.

Topics: Cicero or Ovid and other writers of similar difficulty will be studied as needs of the students require. Course developed with especial reference to students along same lines as Latin 122.

Latin 201. Latin Prose of the Silver Age. (3 hours.) Not offered 1932-33.

Prerequisites: Latin 104, or the equivalent.

Purposes: (a) A continuation of study of Latin literature; (b) translation for information; (c) to supply the student first hand information of this age of Roman life and letters.

Topics: (a) Letters of Pliny the Younger; (b) Tacitus Agricola; (c) selected readings from other representative writers.

Latin 202. Satire and Epigram. (3 hours.)

Prerequisite: Latin 104, or the equivalent.

Purposes: (a) To develop power to read Latin for content; (b) to develop literary appreciation; (c) to show the student Roman society of the first century, A. D., through contemporary eyes.

Topics: (a) Selected Satires of Juvenal; (b) selected epigrams of Martial; (c) study of development of Satire in Latin literature, with assignments from Horace; (d) study of Satire in English; (e) study of epigram as a literary expression.

Latin 203. Latin Literature of the Early Empire. (3 hours.)

Prerequisites: Latin 104, or the equivalent.

Purposes: To introduce student into the literature of this, the most brilliant period of Latin literature.

Topics: The Oxford University Press text—selections compiled by A. C. B. Brown. The selections form a connected and contemporaneous discussion of the following subjects: politics, education, literature, philosophy, social types, and town and country life.

Latin 311. Survey of Latin Literature. (3 hours.) Not offered 1932-33.

Prerequisite: This course is given entirely in English, but unless the student has considerable literary background, not only of Latin, but also of English, he would not be able to enter this course. Open only to senior college students.

Purpose: To furnish a literary and historical survey of Latin literature from its earliest periods to the late Latin of middle ages.

Topics: (a) Mackail's Latin Literature; (b) selected readings from Cunliffe and Showerman, Howe and Harrer, Laing and others; (c) students who have proficient reading ability will be expected to do assigned reading in original.

Latin 361. The Teaching of Latin. (3 hours.)

Prerequisites: Four units of high school Latin and six semester hours of college Latin.

Purpose: To prepare Latin majors for teaching subject.

Topics: (a) Study of classical survey; (b) examination of newest available text books in first year Latin; (c) use of modern methods in poster and note book material; (d) examination of Classical Journal, Classical Weekly, Latin notes, etc.

Non-Translation Foreign Language Courses

Miss Pollitt

Mrs. Murbach

Foreign Language 212. Legacy of Greece. (2 hours.)

Purpose: To acquaint the average student with the more important contributions made by ancient Greece to our present civilization.

Topics: (a) Lectures on Greek Literature, Greek Art and Architecture, Greek Philosophy, and Greek Politics; (b) assigned reading on specially prepared bibliography; (c) note books; (d) reports and term papers.

Foreign Language 213. Legacy of Rome. (2 hours.)

Purpose: This course is similar in purpose and design to Foreign Language 212, and attempts to show the Roman contribution to modern civilization, as the former does the Greek.

Topics: (a) Lectures on Latin Literature, Roman Art and Architecture, Roman Law and Roman Institutions; (b) assigned readings; (c) note books; (d) reports and term papers.

Foreign Language 214. General Linguistics. (3 hours.)

Prerequisites: Two units of high school Latin.

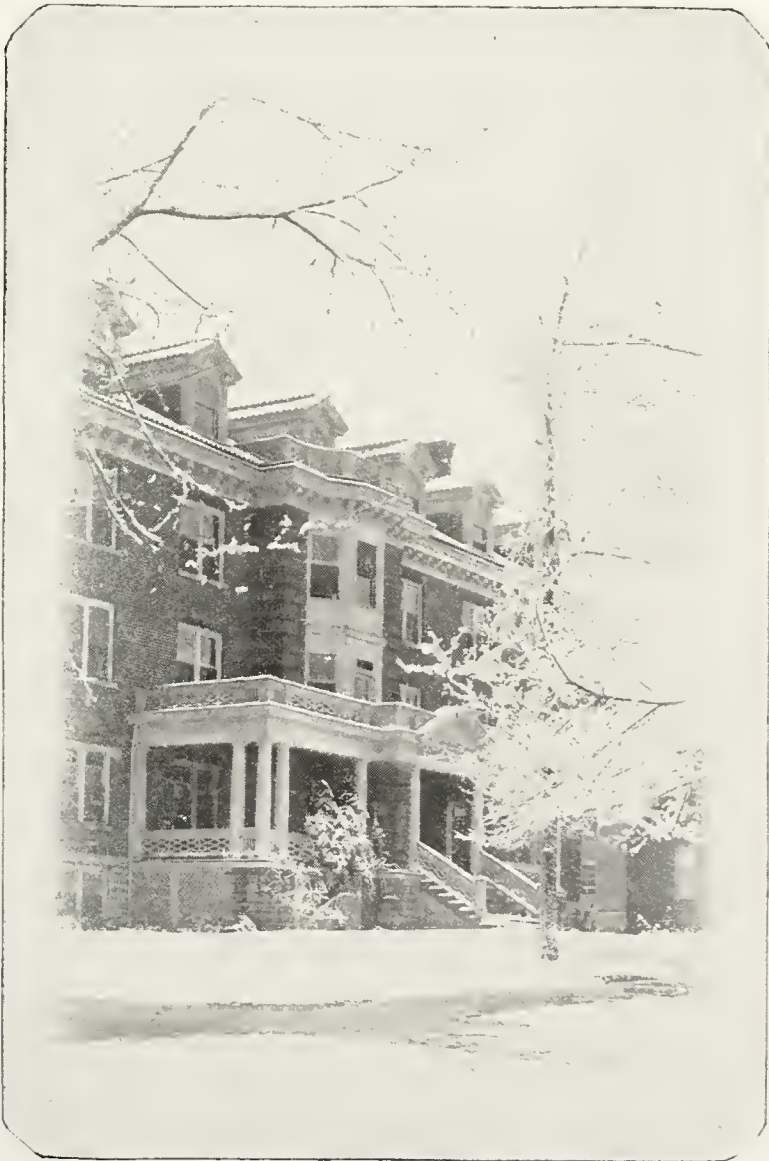
Purpose: To trace the development of human speech from primitive man to the present variations of language, particularly the Indo-European families.

Topics: (a) Anthropology; (b) the psychological nature of linguistic experience; (c) the acquisition and use of a vocabulary; (d) etymological development of the English language.

Foreign Language 253. French Civilization. (2 hours.)

Purposes: This course is designed to give the student an insight into French thought by review of the social conditions from which it has evolved.

Topics: The course consists of lectures and assigned readings. A survey of French history, politics, art and literature will be given.



Sullivan Hall, Women's Dormitory.

DIVISION OF MATHEMATICS

Mr. Park

Mr. Caldwell

Mr. Engle

Mathematics 107. College Algebra. (3 hours.)

Purpose: To give thorough and comprehensive instruction in the principles of college algebra.

Topics: Review of high school algebra, radicals, quadratics, functions and their graphs, advanced topics in quadratic equations, ratio and proportion, variation, progressions, and systems of equations involving quadratics.

Mathematics 108. (Formerly Mathematics 207.) College Algebra. (2 hours.)

Prerequisite: Mathematics 107.

Purpose: To give instruction in the advanced topics of college algebra.

Topics: This course includes a study of complex numbers, theory of equations, permutations and combinations, probability, determinants and partial fractions.

Mathematics 113. (Formerly Mathematics 213.) Trigonometry. (3 hours.)

Purpose: To give instruction in the fundamentals of plane trigonometry.

Topics: Functions of acute angles, natural functions, logarithms, solutions of right and oblique triangles, development of formulas, functions in the unit circle.

Mathematics 131. Solid Geometry. (3 hours.)

Purpose: To give the student a knowledge of the fundamentals and applications of solid geometry.

Topics: This course deals with the fundamental propositions, problems, and exercises of solid geometry. Special attention is given to practical applications.

Mathematics 160. Teachers' Arithmetic. (3 hours.)

Purpose: The aim of this course is to give the student a wide knowledge of the objectives, problems, and methods of teaching arithmetic in the elementary school.

Topics: Aims and objectives of arithmetic, value of problems, assignments, examinations, importance of accuracy and speed, value of drill, games, solution of problems and methods of teaching arithmetic.

Mathematics 214. Trigonometry. (2 hours.)

Prerequisites: 107 and 113.

Purpose: This course is intended to give the student thorough instruction in the advanced topics of plane trigonometry and in the principles of spherical trigonometry.

Topics: This course includes a study of graphs and functions, identities and equations, applications to algebra, and the principles of spherical trigonometry. Special attention is given to practical applications.

Mathematics 221. General Astronomy. (3 hours.)

Purpose: To give the student a knowledge and appreciation of the history, principles, importance, and content of astronomy.

Topics: This course includes a study of the development of astronomy as a science, the development of the solar system, astronomical instruments, and the better known facts of astronomy.

Mathematics 232. Analytic Geometry. (5 hours.)

Prerequisites: Mathematics 107 and 113.

Purpose: To give instruction in the principles and applications of analytic geometry.

Topics: This course deals with problems, formulas and exercises relating to the straight line, circle, parabola, ellipse, and hyperbola. Attention is also given to polar co-ordinates.

Mathematics 241. Statistics and Graphs. (2 hours.)

Purposes: (a) To acquaint the student with the theory and application of statistical methods to actual problems. (b) To familiarize the student with the use of graphical methods.

Topics: This course includes a study of the methods of collecting data, methods of tabulation of data, uses and purposes of statistical methods, central tendencies, deviations, correlations, co-efficients of correlation, theory of probability, and graphic methods.

Mathematics 251. (Formerly Mathematics 351.) Differential Calculus. (5 hours.)

Prerequisites: Mathematics 107, 113 and 232.

Purpose: To teach the fundamental principles, problems and practical application of differential calculus.

Topics: Theory of limits, differentiation, simple applications of the derivative, maxima and minima, differentials, partial differentiation and series.

Mathematics 307. Theory of Equations. (3 hours.)

Prerequisites: 108 and 113.

Purpose: To acquaint the student with theory of algebraic equations.

Topics: This course includes a study of graphs, complex numbers, cubic equations, quartic equations, determinants, and symmetric functions.

Mathematics 352. Integral Calculus. (3 hours.)

Prerequisite: Mathematics 251.

Purpose: To teach the foundation principles, problems and applications of integral calculus.

Contents: This course includes a study of integrations, definite integral, integration of rational fractions, reduction formulas and successive integration.

Mathematics 353. Differential Equations. (3 hours.)

Prerequisite: Mathematics 352.

Purpose: To acquaint the student with the methods of solving the most common types of differential equations.

Topics: The types studied are those of the first and second order, systems of simultaneous equations, and partial differential equations.

Mathematics 354. Advanced Calculus. (3 hours.)

Prerequisite: Mathematics 352.

Purpose: To fulfill the need of a more extensive course than that given in elementary calculus.

Topics: This course covers indeterminate forms, power series, partial differentiation, implicit functions and applications to geometry.

Mathematics 355. Advanced Calculus. (3 hours.)

Prerequisite: Mathematics 354.

Purpose: To continue study begun in Mathematics 354.

Topics: This course covers the definite integral, the gamma and beta functions, line, surface and space integrals, Bessel functions and partial differential equations.

Mathematics 367. (Formerly Mathematics 267.) Teaching of High School Mathematics. (3 hours.)

Prerequisite: Ten hours of college mathematics or consent of Head of the Department.

Purpose: (a) To give instruction in the aims and importance of high school mathematics. (b) To give the student a knowledge of the development of mathematics and its place in the secondary school. (c) To give instruction in the best methods of teaching high school mathematics.

Topics: Aims of high school mathematics; importance of high school mathematics; brief history of mathematics; problems of teaching applied to mathematics; methods of teaching algebra, geometry, trigonometry, and high school arithmetic; selection of problems; types of examinations and their importance; class instruction as applied to mathematics; importance of assignment and methods of study.

DIVISION OF SOCIAL SCIENCES

Mr. Keith
Mr. Adams
Mr. Burns

Mr. Dorris
Miss Floyd
Mr. Kennamer

Miss McKinney
Mr. Moore
Miss Pollitt

Economics

Mr. Moore

Economics 124. Economic History of Europe. (3 hours.)

Purpose: To familiarize the student with the evolution of the economic activities of the leading nations of Europe. Emphasis is placed upon modern times, but the medieval period is not neglected.

Topics: The history of agriculture; commerce; transportation; industry; labor legislation; socialism; social insurance; population and population trends; and finance of the principal European nations is studied.

Economics 125. Principles of Economics. (3 hours.)

Purpose: To acquaint the student with the principles of economic theory.

Topics: Industry; the science of economics; wealth; capital; income; specialization; exchange; agents of production; risk; price levels; business cycles; international trade; and value.

Economics 210. American Economic History. (3 hours.)

Purpose: To give the student an understanding of the economic development of the United States.

Topics: Commerce; industry; transportation; banking; labor problems; business organization; monetary problems; and agriculture.

Economics 222. Practical Economic Problems. (3 hours.)

Purpose: To introduce the student to some of the elementary problems of applied economics.

Topics: Money and banking; labor problems; the trusts; railroads; monopolies; taxation; social insurance.

Economics 224. Money and Banking. (3 hours.)

Prerequisite: Commerce 122.

Purpose: To provide information in the field of money and banking and to give the student practice in keeping a set of books in banking.

Topics: Accounting principles applied to banking methods of banks in keeping records; interpreting bank statements; kinds, forms and origin of money; history of banking; functions of the bank; administration; the national banking system; deposits and depositors; the clearing house; domestic and foreign exchange; loans and discounts; bank supervision; savings banks; trust companies; foreign banking systems; the federal reserve system.

Economics 330. Public Finance. (3 hours.)

Prerequisite: Economics 125.

Purpose: To give the student an understanding and appreciation of the scope and importance of public finance in the operation of modern governments.

Topics: The meaning and scope of public finance; development of public finance; public expenditures, their classification, growth, economic effects; the forms of public revenue—the public domain, the industrial domain, administrative revenues, taxation; public credit, its nature and uses, its forms; financial administration and legislation. Under the heading of taxation are discussed such topics as the following: the meaning and development of taxation; some requisites of a sound tax system, the distribution of the tax burden; means of escape from taxation; the general property tax; modified property taxes; taxes on corporations; consumption and other excise taxes; taxes on incomes; estate and inheritance taxes.

Geography

Mr. Kennamer

Miss McKinney

Geography 101. Principles of Geography. (3 hours.) Fee, \$1.00.

Purposes: (a) To acquaint the student with the tools necessary in geography work, (b) to help the student acquire a geographic vocabulary, (c) to give the student a working knowledge of the basic principles underlying the science of geography.

Topics: The use of maps, globes, tellurians and atlases; the use and interpretation of charts, diagrams, and statistics; a brief history of the changing aspects of geography; the nature of human geography; the earth's form and movements, their results and influences upon man; the contingents and their influences upon man; human activities in mountains and plains; the influence of the oceans on man; the use of inland waters, man's relation to soil and minerals; man and vegetation in different types of climatic regions; the effects of population density upon standards of living; distribution of the population of the earth.

Geography 121. (Formerly Geography 221.) Economic Geography of the Industries. (3 hours.)

Prerequisite: Geography 101.

Purpose: (a) To acquaint the student with the major industries of the world, and the principal factors influencing domestic and international trade; (b) to give the student a background for study in international relations and world problems.

Topics: The nature of economic geography; the place and nature of agriculture; the cereals; the starch foods; the forage crops; vegetable crops; fruit crops and wine industries; sugar; vegetable oils; condiments and tobacco; vegetable fibers; non-food vegetables; fisheries; the animal foodstuffs; animal fibers, furs and skins; the

fundamentals of manufacture, fuel and power; the forest industries and paper; the iron and steel industries; the mineral industries; textiles; leather and rubber; inland transportation, North America; international trade and transportation; trade centers and world trade routes.

Geography 201. Physical Geography and Geology. (3 hours.) Laboratory fee, \$3.00.

Purpose: This course is designed (a) to give the student a knowledge of the land forms, their origin and history, their changes, and their influence on man, (b) to teach the use of geologic and topographic maps, and (c) to teach the student to interpret present-day environment.

Topics: Materials of the earth; weathering; work of wind; work of ground water; work of streams; work of glaciers; the ocean and its work; the structure of the earth; earthquakes; volcanoes and igneous intrusions; metamorphism; mountains and plateaus; ore deposits; soils, their classification and origin; major physiographic features, their origin and influence on man.

Geography 202. Climatology. (3 hours.) Laboratory fee, \$3.00.

Purpose: This course is planned (a) to provide an interpretation of weather conditions and processes, (b) to interpret climatic data and charts, (c) to note the various climatic elements—their distribution and their variations, (d) to study the common climatic types of the world on a regional basis, and (e) to emphasize the human responses to weather and climate.

Topics: Weather and weather observation; elements of climate; climatic regions of the world; a study of climate as affected by the physical factors of sun, mountains, land and water; changes in temperature, pressure, winds—direction and force; humidity; cloud phenomena, precipitation, and the major types of storms; forecastings; the climatic regions of the world; weather conditions and their relation to human activities.

Geography 205. Economic and Historical Geology. (3 hours.) Laboratory fee, \$3.00.

Purpose: This course is planned (a) to familiarize the student with the earth's history as revealed in its rocks; (b) to teach him to correlate the lessons of maps and the rocks.

Topics: The origin of the earth; genesis of ore deposits, evolution of plants and animals; origin of mountains; history and growth of continents; the earth's interior; formation and recognition of common rocks and minerals; architecture of the earth; geologic time table; the geologic eras; the growth of knowledge of the earth; man's place in nature; geology in the service of man applied to industry, and to the larger affairs of men; economic and geologic features of minerals.

Geography 261. (Formerly Geography 361.) Materials and Problems in the Teaching of Geography. (2 hours.)

Prerequisite: Six hours of geography.

Purpose: To acquaint the student with the objectives of geography teaching; (b) to acquaint the student with the best materials available for this type of work; (c) to give instruction in the best methods of teaching geography in the elementary and junior high schools.

Topics: Objectives in the teaching of geography, evolution and technique of visual aids; standard equipment for geography teaching; presentation of textual materials; the purpose and conduct of local field studies; comparative study of recent courses and texts in geography.

Geography 271. Geography of North America. (3 hours.)

Prerequisite: Geography 101.

Purpose: An intensive study of English America, designed (a) to give the students a knowledge of the regional geography of the English speaking countries of North America; (b) to acquaint the student with the place geography of the continent necessary to intelligent reading of newspapers and magazines; (c) to give the student an appreciation of the geographic resources, possibilities and handicaps of the three countries studied.

Topics: The United States as a national unit; the geographic regions of the United States as the Upper Lake Region; the Driftless Area, the Atlantic Coastal Plain, the Piedmont, the Interior Highlands, the Puget Sound Trough; the geographic regions of Canada, as the Great Lakes-St. Lawrence Region, the Prairie Plains and Arctic Meadows, the Pacific Mountain Region; Alaska.

Geography 272. Geography of Europe. (3 hours.)

Prerequisite: Geography 101.

Purpose: (a) To make the student thoroughly familiar with the map and political geography of the present European countries; (b) to give the student an appreciation of the geographic handicaps and advantages of the various European countries; (c) to make the student familiar with the important place geography of Europe.

Topics: (a) The general geographic setting of Europe as a whole; (b) the physiographic climate, economic, and political geography of each of the major countries; (c) European trade and commerce; (d) the geographic advantages and handicaps of the various European countries that have resulted from the changes in boundaries that followed the World War.

Geography 273. Geography of Latin America. (3 hours.)

Prerequisite: Geography 101.

Purpose: The purpose of this course is to give the student an acquaintance with the geography of Mexico, Central America, West Indies and South America that will enable him to understand the economic development of each and to follow intelligently the trend of political events within them.

Topics: International importance of Latin America; growing interest of the United States in Latin America; Historical geography of discovery, settlement and development; Caribbean resources;

the Panama Canal; South America in world trade; population distribution; transportation facilities; climatic and psysiographic regions; economic geography of the Pampas, the Amazon Basin, Central Mexican Plateau; the Llanos, Andean Highlands.

Geography 274. Geography of Asia. (3 hours.)

Prerequisite: Geography 101.

Purpose: This course is designed to give the student an acquaintance with the geography of all the countries and regions of Asia that will enable him to understand the economic development of each and to follow intelligently the trend of political events within them.

Topics: The structure of Asia; the geography of Asia; the climates of Asia; the vegetation of Asia; the population of Asia; the Exploration and Exploitation of Asiatic countries by European nations; Asia's position in the world; the agricultural resources of Asia; summary of the economic resources of Asia; Turkey—The Threshold of Asia; Arab Asia; the Iranian Plateau; the Indian Empire; Ceylon; Southeastern Asia; the East Indies; China; the Dead Heart of Asia; Japanese Empire; Asiatic Russia; growing interest of the United States in Asia; the geographic advantages and disadvantages.

Geography 348. Historical Geography. (3 hours.)

Prerequisites: Six hours of History and six hours of Geography.

Purpose: To show the underlying geographic factors in ancient and modern civilization.

Topics: (1) Geographic influences in ancient Egyptian, Mesopotamian, Greek, and Roman civilizations, (2) the geography of Europe in the development of the nations of medieval and modern Europe, (3) the geographic background of the culture of the Aztecs, Incas, and North American Indians, (4) the historical geography of the United States, the expansion of the American people, American expansion in the Pacific, the Gulf and Caribbean regions, immigration, growth of cities, geography and the future of the United States.

Geography 371. Geography of World Problems. (3 hours.)

Prerequisite: Six hours of geography.

Purpose: The purpose of this course is to study the geographic, economic and historic factors affecting current international problems and to gain thereby the cultural values of world citizenship through an interest in, and knowledge of, world affairs.

Topics: Geography and the evolution of nations; the expansion of Europe; European influence in world affairs; economic resources; the British Empire and its many problems—India, Egypt, Ireland, South Africa; Geography and problems of major nations of the Orient; Islamism; Russia, past and present; Europe in Africa; the problems of the Far East.

Geography 374. Geography and Geology of Kentucky (2 hours.)
Fee, \$1.00.

Purpose: The purpose of this course is (a) to familiarize the student with the geologic history and structure of Kentucky; (b)

the various regional, physical and cultural landscapes of the state; (c) the wide range of physical influences which make up the geographic environment, and (d) the many responses man has made or could make in making a living in the State.

Topics: The Kentucky country; geology; surface and drainage; weather and climate; native vegetation; native animals; native people; the coming of the white man; the soil and its conservation; agriculture; animal industries; mineral resources; manufacturing; transportation; location and growth of cities; Louisville and the cities of the Ohio Basin; other cities; the counties of Kentucky; cultural features of Kentucky—government, education; Kentucky of the future.

Geography 377. Conservation of Natural Resources. (3 hours.)

Purpose: A course of practical value to all citizens and particularly to teachers of future citizens in that it emphasizes thrift and the wise use of all natural resources, and condemns waste.

Topics: History of the conservation movement; the forest resources; soil depletion and restoration; the land resources; the fertilizer resources; water origin and supply; water power; irrigation and reclamation; navigation; the mineral resources; the mineral fuel, coal, petroleum, natural gas; the metallic resources, iron, copper, lead, gold, zinc, aluminium, silver, uranium and radium; the human resources; agricultural losses.

Government

Mr. Keith

Mr. Dorris

Government 111. American Government and Citizenship. (3 hours.)

Purpose: The purpose of this course is to give a general introductory survey of the entire field of American Government and its workings. Teaching of good citizenship is one of the main objects of the course.

Topics: Local, State and National Government; organization of the various departments of government with their functions and operation; political organizations and the influence of political parties; ideals of correct organization of government and its just function.

Government 311. Problems of American Government. (3 hours.)

Prerequisite: Government 111.

Purpose: To teach governmental organization; to give the student some idea of the evils consequent to government, with ideals of correct organizations.

Topics: Problems connected with municipal, state and national government; newer devices in organization and operation of government; problems of exercising the privilege of franchise; problems of various franchises in municipalities and contracts of state and nation; problems of the incidence, levy and collection of taxes.

Government 351. Foreign Government. (3 hours.)

Prerequisite: Government 111.

Purpose: To acquaint the student with the government of England and Switzerland and some of the political literature of the nations.

Topics: The rise of governmental institutions of England and her influence among the nations; kingship; parliament; cabinet; ministry; privy council; the Swiss system of government and her democracy.

Government 352. Foreign Government. (3 hours.)

Prerequisite: Government 111.

Purpose: To acquaint the student with political systems and political writings concerning France, Italy, Germany, and Russia, and possibly with some of the newer governments.

Topics: The government of France, Italy, Russia, and Germany.

History

Mr. Keith

Mr. Burns

Miss Floyd

Mr. Adams

Mr. Dorris

Miss Pollitt

History 102. American History. (3 hours.)

Purpose: This is a survey course in American History, designed to familiarize the student with the general content from the discovery to the adoption of the Constitution. Stress is placed on the bibliography and sources of materials for the study of American History.

Topics: Discovery, exploration, and conquest by nations; colonization; alienation of the colonies from England and eventual revolution; establishment of government and the rise of a powerful nation; and the beginning of the slavery contest.

History 103. American History. (3 hours.)

Purpose: This is a survey course designed to acquaint the student with the general content of American History from the adoption of the Constitution to the end of the Civil War. Some effort is made to acquaint the student with methods of studying and presenting the subject matter and the literature of American History.

Topics: The slavery contest to the climax of the Civil War; the tariff question; mechanical invention; foreign wars; banking and industry.

History 141. History of Medieval Europe. (3 hours.)

Purpose: To familiarize the student with the general content of Medieval History, give him a notion of the continuity of history and acquaint him with the historical literature of the period.

Topics: The migration of the tribes; the rise of nationalities; medieval church; the Crusades; the feudal system of the countries; the Hundred Years' War.

History 241. (Formerly 142.) Modern History. (2 hours.)

Purpose: This course continues the survey of European History. The general content of history and literature of the period is studied.

Topics: The Reformation and the religious wars; international rivalries and dynastic wars for aggrandizement; the rise of other nations; social, economic and industrial history; beginnings of liberalism; the development of political, educational, and economic institutions.

History 242. English History. (3 hours.)

Purpose: To give the student a general view of the first half of English History with extensive work in the literature concerning it.

Topics: The coming of the Anglo-Saxon; advance toward nationality; the Norman invasion; English feudalism; the Hundred Years' War; legal and political development; the Wars of the Roses and the fall of Feudalism; the Tudor monarchy.

History 244. Legacy of Greece. (2 hours.) (Same as Foreign Language 212.)

Purpose: To acquaint the average student with the more important contribution made by ancient Greece to our present civilization.

Topics: (a) Lectures on Greek Literature, Greek Art and Architecture, Greek Philosophy, and Greek Politics; (b) assigned reading on specially prepared bibliography; (c) notebooks; (d) reports and term papers.

History 245. Legacy of Rome. (2 hours.) (Same as Foreign Language 213.)

Purpose: This course is similar in purpose and design to Foreign Language 212, and attempts to show the Roman contribution to modern civilization, as the former does the Greek.

Topics: (a) Lectures on Latin Literature, Roman Art and Architecture, Roman Law and Roman Institutions; (b) assigned readings; (c) note books; (d) reports and term papers.

History 301. American History. (2 hours.)

Prerequisite: History 102 or 103.

Purpose: This course is designed to be sequential to History 103, and it attempts to bring the study of America and its sources up to the present.

Topics: Reconstruction after the Civil War; organized big business; commerce; expansion; imperialism; tariff; foreign relations; current politics.

History 305. History of the American West, 1763 to 1890. (3 hours.)

Prerequisite: History 102 or 103.

Purpose: The purpose of this course is to show the relations of the development of the West to American History.

Topics: Advancement of the American frontier; Indiana Wars; irrigation; political relations of the West to the nation; development of democracy, education; territorial acquisitions.

History 306. History of the American South. (3 hours.)

Prerequisite: History 102 or 103.

Purpose: The purpose of this course is to acquaint the student with the historical literature and the history of the South in its relations to the Union.

Topics: Settlement; peoples; religion; education; government; social and economic conditions; relations to the North and to foreign nations consequent to slavery, the Civil War, reconstruction, resumption and progress in all lines.

History 341. English History, 1603 to 1714. (2 hours.)

Prerequisite: History 242.

Purpose: This course is centered about the Puritan and the English revolutions, and is intended to give the English background of American History, together with some attention to the historical literature.

Topics: Divine Right of James I and Charles I; religious and financial struggles of the time; parliamentary resistance to the first two Stuarts; the "Roundhead" Rebellion; Charles II and James II and the English Revolution.

History 342. English History 1714 to the Present. (3 hours.)

Prerequisite: History 242 and 341.

Purpose: This course is sequential to History 341 and is intended to acquaint the student with the history and historical literature of the period indicated.

Topics: The Hanoverian dynasty; the struggle for empire; development of British Imperialism; parliamentary reforms of the nineteenth century; influence of political parties; England's place in the "Parliament of Men."

History 344. European History from 1715 to 1815. (2 hours.)

Prerequisite: History 141 or 241.

Purpose: The purpose of this course will be to make an intensive study of this century of European History and its sources.

Topics: The Industrial Revolution among the nations; wars partly consequent upon that revolution; rising imperialism among the nations; the French Revolution; reconstruction of the continent of Europe.

History 345. European History from 1815 to the Present. (3 hours.)

Prerequisite: History 141 or 241.

Purpose: The purpose of this course is an intensive study of this period of European History and its literature.

Topics: Social, economic, and industrial conditions after Waterloo; liberal uprisings and reactionary repressions—Metternich; the rise of Socialism—Karl Marx; wars of the century; the merging of the Germanic body into the German Empire; the rise of modern Italy; the struggle for naval, industrial and economic mastery and the deluge of the World War; the aftermath of the war.

History 346. Latin-American History. (2 hours.)

Purpose: The purpose of this course is to acquaint the student with the history and government of the Mexican, Central and South American nations and their relations with the United States.

Topics: Studies of the history and government of the main countries involved.

History 361. Kentucky History. (2 hours.)

Purpose: To make a general study of Kentucky history; to attempt to show the student the wealth of material for the study of the Commonwealth's history.

Topics: General, social, economic, political history of Kentucky; her influence in the development of American Democracy; her periods of leadership in the nation; her educational system; Kentucky's great men and women; historical sources of Kentucky's progress; occasional excursions to places of historic interest will probably be taken.

Sociology

Mr. Burns

Mr. Dorris

Sociology 201. American Immigration. (2 hours.)

Purpose: To give a survey of the entire field of foreign immigration into America, together with their living conditions here after arrival.

Topics: Regions and nations from which the immigrants come; assimilation; housing conditions; economic relations; crime; pauperism; selection.

Sociology 231. Introduction to Sociology. (3 hours.)

Purpose: This course is a general survey of introductory sociology.

Topics: Field of sociology and its relation to other sciences; relation of living conditions to life; the problem of finding and using leaders; social achievement; man's relation to his institutions and his responsibility for them; the family, religion and morals.

EXPERIMENTAL CURRICULA

The teachers college has a dual function. Its curriculum must provide for the development of both scholarship and professional training. Both of these objectives are to be kept constantly before the faculty and students. The curriculum of the teachers college is somewhat akin to that of the liberal arts college in that it should provide for a rich culture. It is similar to the curriculum of the vocational school since professional skills are to be developed. These purposes are not antagonistic but they are concomitant.

We have assumed in planning these curricula that specific preparation should be made for each of the teaching fields. An effort has been made to avoid a too narrow specialization. It is believed that a much better product will result from this arrangement than can be secured from curricula based on group requirements, or from the free elective system.

It is hoped that these experimental curricula will supplement our program in student guidance. A student should be able to consult this bulletin and plan his teaching career more intelligently than he would under a system that would permit him to offer four years of indiscriminate credit for a degree without very definite preparation for any teaching position.

These curricula are in no sense final. They are what the title signifies—experimental. They are to be tested over a period of years for the purpose of refining them. It is recognized that they possess many shortcomings as they stand, but they do represent a beginning. They will be altered and amended as experience furnishes evidence of needed changes.

The following guiding principles have controlled our thinking in their preparation:

- (1) Each curriculum includes courses to give adequate instruction in and preparation for a specific teaching position.
- (2) Each curriculum includes a common group of professional courses.
- (3) Each curriculum includes a group of informational and cultural courses representing the fields of English, Mathematics, Science, and Social Science.
- (4) Each curriculum makes ample provision for individual choices of students so that their work may be planned to suit their own interests and preferences.
- (5) Each curriculum includes a common group of physical education courses designed to promote the health and recreational needs of students.

HOW TO USE

These curricula are planned and outlined for the purpose of guiding you in planning your college course and in making preparation for your teaching career. Each curriculum is planned to give specific preparation for a given type of teaching. The following suggestions are offered to guide you in selecting the curriculum which will best meet your requirements:

(1) A student who expects to remain in college only one academic year and who plans to secure the College Elementary Certificate upon the completion of a minimum of thirty-two semester hours of college credit should enroll for the courses outlined in the first year of one of the following curricula:

- (a) Curriculum for a Major in Early Elementary Education.
- (b) Curriculum for a Major in Intermediate Education.
- (c) Curriculum for a Major in Rural Education.

The work outlined in the first year of these curricula fulfill the requirements for the College Elementary Certificate.

(2) A student who expects to remain in school only two years and who plans to secure the Standard Certificate upon the completion of a minimum of sixty-four semester hours of college credit should take the courses outlined in the first two years of one of the above named curricula. The courses outlined in the first two years of each of these curricula fulfill the requirements for the Standard Certificate.

(3) A student who expects to complete the requirements for a professional degree and the College Certificate and who plans to make thorough preparation for a specific teaching job should select the curriculum of his or her choice. The selection of a curriculum should be determined by the Major subject; that is, if a student expects to major in mathematics, the curriculum elected should be the "Curriculum for a Major in Mathematics."

(4) A student who expects to complete the four-year college course and who does not plan to enter the teaching profession should elect the curriculum which most nearly meets his or her requirements. A non-professional curriculum is outlined for those who do not wish to pursue work in the field of education. This curriculum is planned to fulfill the requirements for the non-professional B. A. or B. S. degree in arts or sciences. The student may elect to major and minor in any of the academic departments of the College.

REQUIREMENTS FOR DEGREES AND COLLEGE CERTIFICATE

The Bachelor's degree is issued upon the minimum of one hundred and twenty-eight semester hours plus the credit earned in recreation. A maximum of thirty-two hours of the work required for a degree may be earned by extension and correspondence. A candidate

for a degree must have been in residence in this institution a minimum of thirty-six weeks, at least eighteen of which must have been in the senior year, and must have earned a minimum of thirty-two hours while in residence.

MINIMUM DEPARTMENTAL REQUIREMENTS FOR THE PROFESSIONAL DEGREE AND COLLEGE CERTIFICATE

Education	18 hours
English	12 hours
History, Government, Sociology	12 hours
Science	12 hours
Mathematics	7 hours

SELECTION OF MAJOR AND MINOR SUBJECTS

Students are advised to give careful thought and consideration to the problem of electing Major and Minor subjects. These subjects should be chosen in accordance with the student's interest and the demand for service after graduation. Adequate preparation must be made in a subject in order to qualify one to teach the subject in the public schools. Nearly all high school teachers must teach two or more subjects.

The following is a list of suggested minors for each major subject. Minors are listed as far as possible in the order of frequency of demand.

Major	Suggested Minors
Agriculture	Chemistry, Physics, Physical Education
Art	Music, Elementary Education, Intermediate Education, English
Biology	Chemistry, Physics, Mathematics
Chemistry	Physics, Mathematics, Biology
Commerce (General Course)	History, Geography, Mathematics
Commerce (For Students Preparing to be Teachers of Economics, Accounting, Business, etc.)	History, Geography, Mathematics
Education:	
(a) Early Elementary	Music, Art, Geography, English, History
(b) Intermediate	Music, Art, Geography, English, History
(c) Rural	Geography, History, Art, Music
English (Literature)	French, Latin, History, Geography
English (Speech)	German, Latin, History, Geography
French	English, History, Latin, Geography
Geography and Geology	History, Science, Commerce, Agriculture
History	English, Economics, Latin, French
Home Economics	Biology, Health, Chemistry

Major	Suggested Minors
Industrial Arts	Mathematics, Physical Education, Physics, Chemistry
Latin	English, History, French, Geography
Mathematics	Physics, Chemistry, Physical Education
Music	Art, English, History, Elementary Edu- cation
Physical Education (Men)	Mathematics, Chemistry, Biology
Physical Education (Women)	Mathematics, Chemistry, Biology
Physics	Chemistry, Mathematics, Biology

**MAJOR AND MINOR REQUIREMENTS
PRESCRIBED BY THE NORMAL EXECUTIVE COUNCIL**

Major: Minimum 24 semester hours.

First Minor: Minimum 18 semester hours.

Second Minor: Minimum 12 semester hours.

APPLICATION FOR DEGREE

All students taking degrees from Eastern Kentucky State Teachers College must make official application at least thirty days before commencement day. This application is made by going to the Business Office, paying the regular fee and presenting receipt for this fee at the Registrar's Office and filling out the official application.

REQUIREMENTS FOR STANDARD CERTIFICATE

Students working for the Standard Certificate should take the work outlined in one of the following curricula: "Curriculum for a Major in Early Elementary Education," "Curriculum for a Major in Intermediate Education," "Curriculum for a Major in Rural Education." The minimum departmental requirements set up by the Normal Executive Council to become effective September 1, 1932 (except for those who have satisfied corresponding departmental requirements in effect prior to September 1, 1932) are as follows:

Art 161, Public School Art	2 hrs.
Education	12 hrs.
Ed. 111, Educational Psychology	3 hrs.
Ed. 160, Classroom Management	3 hrs.
Ed. 162, Teaching the Common School Branches	3 hrs.
Ed. 265 or 266, Student Teaching.....	3 hrs.
English	12 hrs.
Eng. 101 and 102, Oral and Written Composition	6 hrs.
Eng. 211, 212, or 213, English or American Literature	3 hrs.
Eng. 261 or 266, Children's Literature.....	3 hrs.
Geography 101, Principles of Geography.....	3 hrs.

Health 100, Personal Hygiene, or 101, Sanitary Science.....	2 hrs.
History	6 hrs.
Hist. 102 or 103, American History	3 hrs.
Govt. 111, American Government and Citizen- ship	3 hrs.
Mathematics 160, Teachers' Arithmetic	3 hrs.
Music 160, Public School Music	2 hrs.
Science (Biology, Chemistry, or Physics)	6 hrs.
Elective	16 hrs.

REQUIREMENTS FOR COLLEGE ELEMENTARY CERTIFICATE

This issuance of the College Elementary Certificate, based upon thirty-two semester hours of prescribed and elective work earned in residence requires the following courses:

Freshman English (English 191 and 102).....	6 semester hours
Classroom Management (Education 160).....	3 semester hours
Teaching the Common School Branches (Education 162)	3 semester hours
Teachers' Arithmetic (Mathematics 160).....	3 semester hours
American History (History 102 or 103).....	3 semester hours
Principles of Geography (Geography 101)....	3 semester hours
Public School Art (Art 161) or Public School Music (Music 160)	2 semester hours
Health, or Agriculture, or Science.....	2 to 5 semester hours
Elective	4 to 7 semester hours

Applications for this certificate should be made to the Director of Certification, State Department of Education, Frankfort, Kentucky.



Weaver Health Building.

CURRICULUM FOR A MAJOR IN AGRICULTURE**FIRST YEAR****First Semester**

Agriculture 126—Farm Poultry	3 hrs.
Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Recreational Activities	½ hr.
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	16½ hrs.

Second Semester

Agriculture 131—General Horticulture	3 hrs.
Chemistry 111—General Chemistry	4 hrs.
English 102—Oral and Written Composition	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Elective	3 hrs.
Recreational Activities	½ hr.
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	16½ hrs.

SECOND YEAR**First Semester**

Agriculture 215—Soils	3 hrs.
Agriculture 224—Dairy Cattle Management	2 hrs.
Biology 121—General Biology	4 hrs.
English 211 or 212—English Literature	3 hrs.
History (Elective)	3 hrs.
Elective	1 hr.
Recreational Activities	½ hr.
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	16½ hrs.

Second Semester

Agriculture 111—Farm Crops.....	}	3 or 4 hrs.
or 223—Market Milk.....		
English 213—American Literature		3 hrs.
Government 111—American Government and Citizenship.....		3 hrs.
Practicums		1 hr.
Elective		6 or 5 hrs.
Recreational Activities		½ hr.
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		16½ hrs.

THIRD YEAR

First Semester

Agriculture (Elective)	3 hrs.
Education (Elective)	3 hrs.
Geology 201—Physical Geography and Geology	3 hrs.
History (Elective)	3 hrs.
Elective	4 hrs.

 16 hrs.

Second Semester

Agriculture 221—Feeds and Feeding	3 hrs.
Education (Elective)	3 hrs.
Mathematics (Elective)	2 or 3 hrs.
Practicums	1 hr.
Elective	7 or 6 hrs.

 16 hrs.

FOURTH YEAR

First Semester

Agriculture 345—Farm Management and Farm Accounts.....	3 hrs.
Biology 333—Plant Diseases or 243—Economic Entomology	} 3 or 4 hrs.
Education 264—Methods of Teaching in the Secondary School	
Practicums	1 hr.
Elective	5 or 4 hrs.

 16 hrs.

Second Semester

Agriculture (Elective)	3 hrs.
Agriculture 243—Rural Sociology	3 hrs.
Education 363—Student Teaching	5 hrs.
Elective	5 hrs.

 16 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Chemistry, Physics, Physical Education.

CURRICULUM FOR A MAJOR IN ART**FIRST YEAR****First Semester**

Art 115—Elementary Drawing and Design	3 hrs.
Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Elective	3 hrs.
Recreational Activities	½ hr.
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16½ hrs.	

Second Semester

Art 116—Elementary Drawing and Design	3 hrs.
Biology 121—General Biology	4 hrs.
English 102—Oral and Written Composition	3 hrs.
Government 111—American Government and Citizenship.....	3 hrs.
Elective	3 hrs.
Recreational Activities	½ hr.
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16½ hrs.	

SECOND YEAR**First Semester**

Art 190—Appreciation of Art	3 hrs.
Art 215—Color Theory	1 hr.
Art 222—Interior Decoration	2 hrs.
Art 225—Lettering	1 hr.
English 211 or 212—English Literature	3 hrs.
Science (Elective)	3 to 5 hrs.
Elective	3 to 1 hr.
Recreational Activities	½ hr.
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16½ hrs.	

Second Semester

Art 216—Poster Design	2 hrs.
Art 255—Costume Design	2 hrs.
Art 261—Art Education in the Elementary School	2 hrs.
English 213—American Literature	3 hrs.
History 141—History of Medieval Europe	3 hrs.
Elective	4 hrs.
Recreational Activities	½ hr.
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16½ hrs.	

THIRD YEAR**First Semester**

Art 314—Perspective Drawing	1 hr.
Art 315—Drawing, Painting and Composition	3 hrs.
Education 213—Child Psychology	3 hrs.
History 241—Modern History	2 hrs.
Elective	7 hrs.
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16 hrs.	

Second Semester

Art 290—History of Art	3 hrs.
Art 372—Applied Design	3 hrs.
Education 341—The Elementary School Curriculum	3 hrs.
Elective	7 hrs.
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16 hrs.	

FOURTH YEAR**First Semester**

Art 316—Drawing and Modeling	2 hrs.
Education 261—Fundamentals in Early Elementary Education	} 3 hrs.
or	
Education 263—Fundamentals in Intermediate Education	
Elective	11 hrs.
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	16 hrs.

Second Semester

Art 375—Commercial Art and Illustration	3 hrs.
Education 363—Student Teaching	5 hrs.
Elective	8 hrs.
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16 hrs.	

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	1 hr.
History	1 hr.
Mathematics	7 hrs.
Science	5 to 3 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Music, Elementary Education, Intermediate Education, English.

CURRICULUM FOR MAJOR IN BIOLOGY

FIRST YEAR

First Semester

Biology 121—General Biology	4 hrs.
Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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	16 $\frac{1}{2}$ hrs.

Second Semester

Chemistry 111—General Chemistry	4 hrs.
English 102—Oral and Written Composition	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics (Elective)	2 to 3 hrs.
Elective	3 to 2 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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	16 $\frac{1}{2}$ hrs.

SECOND YEAR

First Semester

Biology 231—General Botany	4 hrs.
Chemistry 112—Inorganic Chemistry	5 hrs.
English 211 or 212—English Literature	3 hrs.
Industrial Arts 299—Lettering	1 hr.
Elective	3 hrs.
Recreational Activities	$\frac{1}{2}$ hrs.
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	16 $\frac{1}{2}$ hrs.

Second Semester

Biology 241—Invertebrate Zoology	4 hrs.
Education (Elective)	3 hrs.
English 213—American Literature	3 hrs.
Mathematics (Elective)	2 or 3 hrs.
Elective	4 or 3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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	16 $\frac{1}{2}$ hrs.

THIRD YEAR

First Semester

Biology 242—Comparative Anatomy	4 hrs.
Education (Elective)	3 hrs.
History (Elective)	3 hrs.
Elective	6 hrs.
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	16 hrs.

Second Semester

Biology 235—Local Flora	2 hrs.
History (Elective)	3 hrs.
Elective	11 hrs.
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	16 hrs.

FOURTH YEAR

First Semester

Biology 333—Plant Diseases	3 hrs.
Education 264—Methods of Teaching in the Secondary School	4 hrs.
Elective	9 hrs.
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	16 hrs.

Second Semester

Biology 381—Animal Physiology	4 hrs.
Education 363—Student Teaching	5 hrs.
Ele tive	7 hrs.
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	16 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Chemistry, Physics, Mathematics.

CURRICULUM FOR A MAJOR IN CHEMISTRY**FIRST YEAR****First Semester**

Chemistry 111—General Chemistry	4 hrs.
Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Elective	2 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

Second Semester

Chemistry 112—Inorganic Chemistry	5 hrs.
English 102—Oral and Written Composition	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Elective	5 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

SECOND YEAR**First Semester**

Chemistry 213—Qualitative Analysis } or 215—Organic Chemistry }	4 or 5 hrs.
Education (Elective)	3 hrs.
English 211 or 212—English Literature	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Elective	3 or 2 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

Second Semester

Chemistry 215—Organic Chemistry } or 213—Qualitative Analysis }	5 or 4 hrs.
English 213—American Literature	3 hrs.
Mathematics (Elective)	2 hrs.
Government 111—American Government and Citizenship	3 hrs.
Elective	3 or 4 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

THIRD YEAR**First Semester**

Chem'istry (Elective)	4 hrs.
History (Elective)	3 hrs.
Physics 201—Mechanics, Heat, and Sound	5 hrs.
Elective	4 hrs.
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	16 hrs.

Second Semester

Chem'istry (Elective)	4 hrs.
Physics 202—Electricity, Magnetism, Wave Motion and Sound, and Light	5 hrs.
Elective	7 hrs.
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	16 hrs.

FOURTH YEAR**First Semester**

Chemistry 315—Physical Chemistry	5 hrs.
Education (Elective)	3 hrs.
Education 264—Methods of Teaching in the Secondary School	4 hrs.
Elective	4 hrs.
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	16 hrs.

Second Semester

Education 363—Student Teaching	5 hrs.
History (Elective)	3 hrs.
Elective	8 hrs.
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	16 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Physics, Mathematics, Biology.

CURRICULUM FOR A MAJOR IN COMMERCE

(General Course)

FIRST YEAR**First Semester**

Commerce 101—An Introduction to Business and Industry	2 hrs.
Commerce 121—Business Arithmetic	2 hrs.
Commerce 151—Beginning Typewriting	3 hrs.
Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 and 103—American History	3 hrs.
Recreational Activities	½ hr.

16½ hrs.**Second Semester**

Commerce 152—Advanced Typewriting	3 hrs.
Commerce (Elective)	3 hrs.
English 102—Oral and Written Composition	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Elective	4 hrs.
Recreational Activities	½ hr.

16½ hrs.**SECOND YEAR****First Semester**

Commerce 215—Beginning Shorthand	5 hrs.
Commerce (Elective)	3 hrs.
English 211 or 212—English Literature	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Elective	2 hrs.
Recreational Activities	½ hr.

16½ hrs.**Second Semester**

Commerce 216—Advanced Shorthand	3 hrs.
Commerce 122—Principles of Accountancy	4 hrs.
Commerce (Elective)	3 hrs.
English 213—American Literature	3 hrs.
Elective	3 hrs.
Recreational Activities	½ hr.

16½ hrs.

THIRD YEAR**First Semester**

Commerce (Elective)	5 hrs.
Education (Elective)	3 hrs.
History (Elective)	3 hrs.
Mathematics (Elective)	2 hrs.
Elective	3 hrs.

 16 hrs.
Second Semester

Commerce (Elective)	3 hrs.
Education (Elective)	3 hrs.
Mathematics 241—Statistics and Graphs	2 hrs.
Elective	8 hrs.

 16 hrs.
FOURTH YEAR**First Semester**

Commerce (Elective)	3 hrs.
Education 264—Methods of Teaching in the Secondary School	4 hrs.
History (Elective)	3 hrs.
Elective	6 hrs.

 16 hrs.
Second Semester

Commerce (Elective)	3 hrs.
Education 363—Student Teaching	5 hrs.
Elective	8 hrs.

 16 hrs.
RESTRICTION ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirement as follows:

Science 12 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: History, Geography, Mathematics.

CURRICULUM FOR A MAJOR IN COMMERCE

(For Students Preparing to be Teachers of Economics, Accounting, Business, Etc.)

FIRST YEAR**First Semester**

Commerce 101—An Introduction to Business and Industry	2 hrs.
Commerce 121—Business Arithmetic	2 hrs.
Commerce (Elective)	3 hrs.
Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Recreational Activities	½ hr.
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	16½ hrs.

Second Semester

Commerce (Elective)	3 hrs.
English 102—Oral and Written Composition	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Elective	4 hrs.
Recreational Activities	½ hr.
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	16½ hrs.

SECOND YEAR**First Semester**

Commerce 122—Principles of Accountancy	4 hrs.
Commerce 125—Principles of Economics	3 hrs.
Commerce (Elective)	3 hrs.
English 211 or 212—English Literature	3 hrs.
Elective	3 hrs.
Recreational Activities	½ hr.
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	16½ hrs.

Second Semester

Commerce 220—Principles of Accountancy	2 hrs.
Commerce (Elective)	3 hrs.
Education (Elective)	3 hrs.
English 213—American Literature	3 hrs.
Elective	5 hrs.
Recreational Activities	½ hr.
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	16½ hrs.

THIRD YEAR**First Semester**

Commerce 221—Principles of Accountancy	3 hrs.
Commerce (Elective)	3 hrs.
Education (Elective)	3 hrs.
Mathematics 241—Statistics and Graphs	2 hrs.
Elective	5 hrs.
	<hr/>
	16 hrs.

Second Semester

Commerce 222—Practical Economic Problems	3 hrs.
Commerce 224—Money and Banking.....	3 hrs.
Commerce (Elective)	3 hrs.
History (Elective)	3 hrs.
Mathematics (Elective)	2 hrs.
Elective	2 hrs.
	<hr/>
	16 hrs.

FOURTH YEAR**First Semester**

Commerce (Elective)	5 hrs.
Education 264—Methods of Teaching in the Secondary School	4 hrs.
History (Elective)	3 hrs.
Elective	4 hrs.
	<hr/>
	16 hrs.

Second Semester

Commerce (Elective)	3 hrs.
Education 363—Student Teaching	5 hrs.
Elective	8 hrs.
	<hr/>
	16 hrs.

RESTRICTION ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirement as follows:

Science 12 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: History, Geography, Mathematics.

CURRICULUM FOR A MAJOR IN EARLY ELEMENTARY EDUCATION

The work outlined in the first year satisfies the requirements for the College Elementary Certificate.

The work outlined in the first two years satisfies the requirements for the Standard Certificate.

FIRST YEAR

First Semester

Art 161—Public School Art	2 hrs.
Education 160—Classroom Management	3 hrs.
English 101—Oral and Written Composition.....	3 hrs.
Handwriting	0 hrs.
History 102 or 103—American History	3 hrs.
Mathematics 160—Teachers' Arithmetic	3 hrs.
Music 160—Public School Music	2 hrs.
Recreational Activities	$\frac{1}{2}$ hr.

16 $\frac{1}{2}$ hrs.

Second Semester

Education 162—Teaching the Common School Branches	3 hrs.
English 102—Oral and Written Composition	3 hrs.
Geography 101—Principles of Geography	3 hrs.
Health 101—Sanitary Science	3 hrs.
History 103 or 102—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Recreational Activities	$\frac{1}{2}$ hr.

16 $\frac{1}{2}$ hrs.

SECOND YEAR

First Semester

Art 225—Lettering	1 hr.
Biology 161—Nature Study	3 hrs.
Education 111—Educational Psychology	3 hrs.
Education 261—Fundamentals in Early Elementary Education	3 hrs.
English 213—American Literature	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.

16 $\frac{1}{2}$ hrs.

Second Semester

Education 265—Supervised Student Teaching in the Early Elementary Grades	3 hrs.
English 261—Literature for the Primary Grades	3 hrs.
Geography 271—Geography of North America	3 hrs.
Biology 121—General Biology	4 hrs.
Elective	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.

16 $\frac{1}{2}$ hrs.

THIRD YEAR

First Semester

Art 315—Drawing, Painting and Composition	3 hrs.
Education 213—Child Psychology	3 hrs.
English 211—English Literature	3 hrs.
History (Elective)	3 hrs.
Home Economics 213—Care and Selection of the Wardrobe..	2 hrs.
Elective	2 hrs.
	<hr/>
	16 hrs.

Second Semester

Education 264—Reading in the Elementary School	3 hrs.
English 212—English Literature	3 hrs.
Geography 201—Physical Geography and Geology	3 hrs.
Elective	7 hrs.
	<hr/>
	16 hrs.

FOURTH YEAR

First Semester

Art 290—History of Art	3 hrs.
Education 341—The Elementary School Curriculum	3 hrs.
Mathematics (Elective)	4 hrs.
Science (Elective)	3 hrs.
Elective	3 hrs.
	<hr/>
	16 hrs.

Second Semester

Education 321—Tests and Measurements	3 hrs.
Education 363—Student Teaching	2 hrs.
English (Elective)	3 hrs.
Geography 371—Geography of World Problems	3 hrs.
Elective	5 hrs.
	<hr/>
	16 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Music, Art, Geography, English, History.

CURRICULUM FOR A MAJOR IN INTERMEDIATE EDUCATION

The work outlined in the first year satisfies the requirements for the College Elementary Certificate.

The work outlined in the first two years satisfies the requirements for the Standard Certificate.

First Semester	FIRST YEAR	
Agriculture 100—General Agriculture	2 hrs.	
Art 161—Public School Art or Music 160—Public School Music	2 hrs.	
Education 160—Classroom Management	3 hrs.	
English 101—Oral and Written Composition	3 hrs.	
Handwriting	0 hrs.	
History 102 or 103—American History	3 hrs.	
Mathematics 160—Teachers' Arithmetic	3 hrs.	
Recreational Activities	1½ hr.	

16½ hrs.

Second Semester	
Education 162—Teaching the Common School Branches.....	3 hrs.
English 102—Oral and Written Composition	3 hrs.
Geography 101—Principles of Geography	3 hrs.
Health 101—Sanitary Science	3 hrs.
Music 160—Public School Music or Art 161—Public School Art	2 hrs.
Elective	2 hrs.
Recreational Activities	1½ hr.

16½ hrs.

First Semester	SECOND YEAR	
Art 225—Lettering	1 hr.	
Biology 161—Nature Study	3 hrs.	
Education 111—Educational Psychology	3 hrs.	
Education 263—Fundamentals in Intermediate Education.....	3 hrs.	
English 213—American Literature	3 hrs.	
Government 111—American Government and Citizenship.....	3 hrs.	
Recreational Activities	1½ hr.	

16½ hrs.

Second Semester	
Education 266—Supervised Student Teaching in the Inter- mediate Grades and High School	3 hrs.
English 266—Literature for Intermediate Grades	3 hrs.
Geography 271—Geography of North America	3 hrs.
History 141—History of Medieval Europe	3 hrs.
Biology 121—General Biology	4 hrs.
Recreational Activities	1½ hr.

16½ hrs.

THIRD YEAR**First Semester**

Education 213—Child Psychology	3 hrs.
English 211—English Literature	3 hrs.
Geology 201—Physical Geography and Geology	3 hrs.
Science (Elective)	3 hrs.
Elective	4 hrs.

 16 hrs.
Second Semester

Education 321—Educational Measurement	3 hrs.
English 212—English Literature	3 hrs.
Geography 272—Geography of Europe	3 hrs.
History (Elective)	3 hrs.
Mathematics (Elective)	3 hrs.
Elective	1 hr.

 16 hrs.
FOURTH YEAR**First Semester**

Art 290—History of Art	3 hrs.
Education 341—The Elementary School Curriculum	3 hrs.
English (Elective)	3 hrs.
Geography 273—Geography of Latin America	3 hrs.
History 241—Modern History	2 hrs.
Elective	2 hrs.

 16 hrs.
Second Semester

*Education (Elective)	3 hrs.
Education 363—Student Teaching	2 hrs.
English 217—Contemporary Literature	3 hrs.
History 361—Kentucky History	2 hrs.
Mathematics 221—General Astronomy	3 hrs.
Elective	3 hrs.

 16 hrs.
MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Music, Art, Geography, English, History.

*Course elected must be approved by curriculum adviser at time of registration.

CURRICULUM FOR A MAJOR IN RURAL EDUCATION

The courses outlined in the first year fulfill the requirements for the 32 hour College Elementary Certificate. The courses outlined in the first two years of this curriculum fulfill the requirements for the Standard Certificate.

First Semester		FIRST YEAR	
Agriculture 100—General Agriculture	2 hrs.		
Art 161—Public School Art	2 hrs.		
or Music 160—Public School Music			
Education 160—Classroom Management	3 hrs.		
English 101—Oral and Written Composition	3 hrs.		
*History 102 or 103—American History			
or Geography 101—Principles of Geography	3 hrs.		
Mathematics 160—Teachers Arithmetic	3 hrs.		
Recreational Activities	$\frac{1}{2}$ hr.		
			$16\frac{1}{2}$ hrs.
Second Semester			
Education 162—Teaching the Common School Branches	3 hrs.		
English 102—Oral and Written Composition	3 hrs.		
*Geography 101—Principles of Geography			
or History 102 or 103—American History	3 hrs.		
Health 101—Sanitary Science	3 hrs.		
Music 160—Public School Music			
or Art 161—Public School Art	2 hrs.		
Elective	2 hrs.		
Recreational Activities	$\frac{1}{2}$ hr.		
			$16\frac{1}{2}$ hrs.
First Semester		SECOND YEAR	
Art 225—Lettering	1 hr.		
Biology 161—Nature Study	3 hrs.		
Education 111—Educational Psychology	3 hrs.		
Education 262—Fundamentals in Rural Education	3 hrs.		
English 213—American Literature	3 hrs.		
Government 111—American Government and Citizenship	3 hrs.		
Recreational Activities	$\frac{1}{2}$ hr.		
			$16\frac{1}{2}$ hrs.
Second Semester			
Education 265—Supervised Student Teaching in the Early Elementary Grades	3 hrs.		
or 266—Supervised Student Teaching in the Inter- mediate Grades and High School			
English 261—Literature for the Primary Grades	3 hrs.		
or 266—Literature for the Intermediate Grades			
Geography 271—Geography of North America	3 hrs.		
History (Elective)	3 hrs.		
Biology 121—General Biology	4 hrs.		
Recreational Activities	$\frac{1}{2}$ hr.		
			$16\frac{1}{2}$ hrs.

*Geography 101 and History 102 or 103 required for College Elementary Certificate issued on 32 semester hours credit.

THIRD YEAR

First Semester

Education 213—Child Psychology	3 hrs.
English 211—English Literature	3 hrs.
Geography 201—Physical Geography and Geology	3 hrs.
Mathematics (Elective)	3 hrs.
Elective	4 hrs.
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	16 hrs.

Second Semester

Education 351—Rural School Supervision	3 hrs.
English 212—English Literature	3 hrs.
Geography 272—Geography of Europe	3 hrs.
History (Elective)	2 hrs.
Mathematics (Elective)	2 hrs.
Elective	3 hrs.
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	16 hrs.

FOURTH YEAR

First Semester

Education 352—County School Administration	3 hrs.
English 217—Contemporary Literature	3 hrs.
Geography 202—Climatology	3 hrs.
History (Elective)	3 hrs.
Elective	4 hrs.
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	16 hrs.

Second Semester

Art 290—History of Art	3 hrs.
Education 363—Student Teaching	2 hrs.
**Education	3 hrs.
History 361—Kentucky History	2 hrs.
Science (Elective)	3 hrs.
Elective	3 hrs.
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	16 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Geography, History, Art, Music.

** Course elected must be approved by curriculum adviser at time of registration.

CURRICULUM FOR A MAJOR IN ENGLISH

(Literature)

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Latin (Elective)	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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	16 $\frac{1}{2}$ hrs.

Second Semester

Biology 121—General Biology	4 hrs.
English 102—Oral and Written Composition	3 hrs.
English 163—Fundamentals of Speech	3 hrs.
History 141—History of Medieval Europe.....	3 hrs.
Latin (Elective)	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
	<hr/>
	16 $\frac{1}{2}$ hrs.

SECOND YEAR

First Semester

English 211—English Literature	3 hrs
English (Not Literature)	2 or 3 hrs.
History 242—English History	3 hrs.
Latin (Elective)	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Elective	2 or 1 hr.
Recreational Activities	$\frac{1}{2}$ hr.
	<hr/>
	16 $\frac{1}{2}$ hrs.

Second Semester

English 212—English Literature	3 hrs.
English 213—American Literature	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Latin (Elective)	3 hrs.
Elective	4 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
	<hr/>
	16 $\frac{1}{2}$ hrs.

THIRD YEAR**First Semester**

Education 214—Psychology of Adolescence	3 hrs.
English 311—Shakespeare	3 hrs.
English 215—Nineteenth Century Prose or } 217—Contemporary Literature }	3 hrs.
French, German, or Latin	3 hrs.
Elective	4 hrs.
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16 hrs.	

Second Semester

Education 264—Methods of Teaching in the Secondary School	4 hrs.
English 216—The Short Story or } 314—The Novel }	2 or 3 hrs.
English 301—Advanced Composition	3 hrs.
French, German, or Latin	3 hrs.
Elective	4 or 3 hrs.
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16 hrs.	

FOURTH YEAR**First Semester**

Education 363—Student Teaching	5 hrs.
English 321—Romantic School of Poets or } 322—Victorian Poets }	3 hrs.
English (Prose)	3 hrs.
Elective	5 hrs.
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16 hrs.	

Second Semester

Education (Elective)	3 hrs.
English (Elective)	3 hrs.
Elective	10 hrs.
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16 hrs.	

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Mathematics	1 hour
Science	8 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: French, Latin, History, Geography.

CURRICULUM FOR A MAJOR IN ENGLISH

(Speech)

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
French (Elective)	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

Second Semester

English 102—Oral and Written Composition	3 hrs.
English 163—Fundamentals of Speech	3 hrs.
French (Elective)	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Science (Elective)	4 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

SECOND YEAR

First Semester

English 211—English Literature	3 hrs.
English 231—Public Speaking	3 hrs.
English 261—Literature for Primary Grades	2 hrs.
Mathematics 113—Trigonometry	3 hrs.
Elective	5 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

Second Semester

Education (Elective)	3 hrs.
English 212—English Literature } or 213—American Literature }	3 hrs.
English 205—Argumentation	3 hrs.
English 216—The Short Story	2 hrs.
Elective	5 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

THIRD YEAR**First Semester**

Education 214—Psychology of Adolescence	3 hrs.
English 262—Play Producing	2 hrs.
English 311—Shakespeare	3 hrs.
History 242—English History	3 hrs.
Physical Education 214—Natural Dancing	1 hr.
Elective	4 hrs.
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16 hrs.	

Second Semester

Education 264—Methods of Teaching in the Secondary School	4 hrs.
English 263—Play Directing	2 hrs.
English 312—Contemporary Drama	3 hrs.
Physical Education 275—Clog and Character Dancing	1 hr.
Elective	6 hrs.
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16 hrs.	

FOURTH YEAR**First Semester**

Education 363—Student Teaching	5 hrs.
English 264—Story Telling	3 hrs.
Elective	8 hrs.
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16 hrs.	

Second Semester

English 335—Interpretative Reading	3 hrs.
History (Elective)	3 hrs.
Elective	10 hrs.
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16 hrs.	

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Mathematics	1 hour
Science	8 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: German, Latin, History Geography.

CURRICULUM FOR A MAJOR IN FRENCH**FIRST YEAR****First Semester**

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
French 151—Elementary French	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Recreational Activities	½ hr.
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	16½ hrs.

Second Semester

English 102—Oral and Written Composition	3 hrs.
French 152—Elementary French	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Science (Elective)	4 hrs.
Elective	3 hrs.
Recreational Activities	½ hr.
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	16½ hrs.

SECOND YEAR**First Semester**

English 211 or 212—English Literature	3 hrs.
French 251—Intermediate French	3 hrs.
History (Elective)	3 hrs.
Elective	7 hrs.
Recreational Activities	½ hr.
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	16½ hrs.

Second Semester

English 213—American Literature	3 hrs.
French 252—Intermediate French	3 hrs.
Foreign Language 253—French Civilization.....	2 hrs.
Government 111—American Government and Citizenship	3 hrs.
Elective	5 hrs.
Recreational Activities	½ hr.
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	16½ hrs.

THIRD YEAR**First Semester**

Education (Elective)	3 hrs.
French 254—French Prose Classics	3 hrs.
French, German, Latin (Elective)	3 hrs.
History (Elective)	3 hrs.
Elective	4 hrs.
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	16 hrs.

Second Semester

Education (Elective)	3 hrs.
French 255—French Prose Classics	3 hrs.
French, German, Latin (Elective)	3 hrs.
Elective	7 hrs.
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	16 hrs.

FOURTH YEAR**First Semester**

Education 264—Methods of Teaching in the Secondary School	4 hrs.
French 355—French Drama	2 hrs.
French 365—Teacher Training Course	1 hr.
Elective	9 hrs.
	<hr/>
	16 hrs

Second Semester

Education 363—Student Teaching	5 hrs.
French 356—French Seminar	2 hrs.
French, German, Latin (Elective)	2 hrs.
Elective	7 hrs.
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	16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Mathematics	1 hr.
Science	8 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: English, History, Latin, Geography.

CURRICULUM FOR A MAJOR IN GEOGRAPHY AND GEOLOGY

FIRST YEAR

First Semester

Biology 121—General Biology } or 161—Nature Study }	4 or 3 hrs.
Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Elective	2 or 3 hrs.
Recreational Activities	½ hr.
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16½ hrs.	

Second Semester

Economics 124—Economic History of Europe or 125—Principles of Economics	3 hrs.
English 102—Oral and Written Composition	3 hrs.
Geography 101—Principles of Geography	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Elective	1 hr.
Recreational Activities	½ hr.
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16½ hrs.	

SECOND YEAR

First Semester

Chemistry 111—General Chemistry	4 hrs.
English 211 or 212—English Literature	3 hrs.
Geography 121—Economic Geography of Industries	3 hrs.
Geology 201—Physical Geography and Geology	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Recreational Activities	½ hr.
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16½ hrs.	

Second Semester

Education (Elective)	3 hrs.
English 213—American Literature	3 hrs.
Geography 202—Climatology	3 hrs.
History (Elective)	3 hrs.
Mathematics (Elective)	2 hrs.
Elective	2 hrs.
Recreational Activities	½ hr.
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16½ hrs.	

THIRD YEAR**First Semester**

Geography (Elective)	6 hrs.
History (Elective)	3 hrs.
Elective	7 hrs.
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	16 hrs.

Second Semester

Education (Elective)	3 hrs.
Geography (Elective)	6 hrs.
Elective	7 hrs.
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	16 hrs.

FOURTH YEAR**First Semester**

Education 263—Fundamentals in Intermediate Education or 264—Methods of Teaching in the Secondary School	}	3 or	4 hrs.
Geography 371—Geography of World Problems.....			3 hrs.
Geography (Elective)			3 hrs.
Elective		7 or	6 hrs.
			<hr/>
			16 hrs.

Second Semester

Education 363—Student Teaching	5 hrs.
Geography (Elective)	4 hrs.
Elective	7 hrs.
	<hr/>
	16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	1 hour
Science	1 or 2 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: History, Science, Commerce, Agriculture.

CURRICULUM FOR A MAJOR IN HISTORY

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Geography 101—Principles of Geography	3 hrs.
History 102—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Recreational Activities	½ hr.
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	16½ hrs.

Second Semester

English 102—Oral and Written Composition	3 hrs.
History 103—American History	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Science (Elective)	4 hrs.
Elective	3 hrs.
Recreational Activities	½ hr.
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	16½ hrs.

SECOND YEAR

First Semester

English 211 or 212—English Literature	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
History 141—History of Medieval Europe } or 241—Modern History	3 or 2 hrs.
Elective	7 or 8 hrs.
Recreational Activities	½ hr.
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	16½ hrs.

Second Semester

Economics 124—Economic History of Europe	3 hrs.
English 213—American Literature	3 hrs.
Sociology 201—American Immigration } or 231—Introduction to Sociology	2 or 3 hrs.
Elective	8 or 7 hrs.
Recreational Activities	½ hr.
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	16½ hrs.

THIRD YEAR**First Semester**

Education (Elective)	3 hrs.
Geography 272—Geography of Europe	3 hrs.
*History (Elective)3 or	6 hrs.
Elective7 or	4 hrs.
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16 hrs.	

Second Semester

Education (Elective)	3 hrs.
English 217—Contemporary Literature	3 hrs.
*History (Elective)4 or	6 hrs.
Elective6 or	4 hrs.
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16 hrs.	

FOURTH YEAR**First Semester**

Education 264—Methods of Teaching in the Secondary School	4 hrs.
Geography 371—Geography of World Problems	3 hrs.
*History (Elective)2 or	4 hrs.
Elective7 or	5 hrs.
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16 hrs.	

Second Semester

Education 363—Student Teaching	5 hrs.
*History (Elective)	3 hrs.
Elective	8 hrs.
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16 hrs.	

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Mathematics	1 hour
Science	8 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: English, Economics, Latin, French, Physical Education.

*Courses must be elected with advice and consent of head of department,

CURRICULUM FOR A MAJOR IN HOME ECONOMICS**FIRST YEAR****First Semester**

Art 115—Elementary Drawing and Design	3 hrs.
Biology 121—General Biology	4 hrs.
English 101—English Composition	3 hrs.
Home Economics 110—Text les	2 hrs.
Library Science 166—Library Methods	1 hr.
Physics 101—Everyday Physics	3 hrs.
Recreational Activities	½ hr.
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16½ hrs.	

Second Semester

Chemistry 111—General Chemistry	4 hrs.
English 102—Oral and Written Composition	3 hrs.
Home Economics 103—Source, Selection, and Cost of Foods..	2 hrs.
Home Economics 111—Garment Making	3 hrs.
Science (Elective)	4 hrs.
Recreational Activities	½ hr.
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16½ hrs.	

SECOND YEAR**First Semester**

Chemistry 215—Organic Chemistry	5 hrs.
Education 111—Educational Psychology	3 hrs.
Health 101—San tary Science	3 hrs.
Home Economics 101—Nutrition and Food Preparation	3 hrs.
Home Economics 212—Dressmaking	2 hrs.
Recreational Activities	½ hr.
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16½ hrs.	

Second Semester

Economics 125—Principles of Economics	3 hrs.
Education 213—Child Psychology	3 hrs.
English 211 or 212—Engl sh Literature	3 hrs.
Home Economics 201—Meal Planning, Preparation, and Serv- ing	3 hrs.
Home Economics 224—Household Equipment	2 hrs.
Home Economics 231—Home Nursing	2 hrs.
Recreational Activities	½ hr.
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16½ hrs.	

THIRD YEAR

First Semester

Chemistry 313—Bio-Chemistry	5 hrs.
Education 264—Methods of Teaching in the Secondary School	4 hrs.
Home Economics 202—Advanced Cookery	3 hrs.
Home Economics 222—Interior Decoration	2 hrs.
Home Economics 225—Family Relationships	2 hrs.

 16 hrs.

Second Semester

Biology 381—Animal Physiology	4 hrs.
Education (Elective)	2 hrs.
English 213—American Literature	3 hrs.
Home Economics 316—Tailoring	2 hrs.
Home Economics 361—Materials and Methods for Teaching Vocational Home Economics	3 hrs.
Sociology 231—Introduction to Sociology	3 hrs.

 17 hrs.

FOURTH YEAR

First Semester

Art 372—Applied Design	3 hrs.
Education 305—Educational Sociology	2 hrs.
Home Economics 321—Home Management or Education 363—Student Teaching	5 hrs.
Home Economics 331—Child Care	3 hrs.
Elective	3 hrs.

 16 hrs.

Second Semester

Home Economics 301—Dietetics	3 hrs.
Home Economics 315—Costume Design	2 hrs.
Home Economics 321—Home Management or Education 266—Supervised Student Teaching in the Intermediate Grades and High School.....	5 hrs.
Elective	6 hrs.

 16 hrs.

MINORS:

A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Biology, Health, Chemistry.

CURRICULUM FOR A MAJOR IN INDUSTRIAL ARTS**FIRST YEAR****First Semester**

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Elective	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

Second Semester

English 102—Oral and Written Composition	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Industrial Arts 191—Elementary Mechanical Drawing.....	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Science (Elective)	4 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

SECOND YEAR**First Semester**

Arts 161—Public School Art	2 hrs.
English 211 or 212—English Literature	3 hrs.
History (Elective)	3 hrs.
Industrial Arts 141—Elementary Cabinet Making.....	3 hrs.
Industrial Arts 244—Elementary Wood Turning	2 hrs.
Elective	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

Second Semester

English 213—American Literature	3 hrs.
History (Elective)	3 hrs.
Industrial Arts 233—Industrial Arts Design	2 hrs.
Industrial Arts 242—Advanced Cabinet Making and Mill Work	2 hrs.
Elective	6 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
<hr/>	
16 $\frac{1}{2}$ hrs.	

THIRD YEAR**First Semester**

Education (Elective)	3 hrs.
Industrial Arts 281—Auto Mechanics	2 hrs.
Industrial Arts 292—Elementary Machine Drawing	2 hrs.
Elective	9 hrs.
	<hr/>
	16 hrs.

Second Semester

Education (Elective)	3 hrs.
Industrial Arts 294—Elementary Architectural Drawing	2 hrs.
Industrial Arts 361—History and Organization of Industrial Arts	2 hrs.
Elective	9 hrs.
	<hr/>
	16 hrs.

FOURTH YEAR**First Semester**

Education 264—Methods of Teaching in the Secondary School	4 hrs.
Industrial Arts 364—Vocational Education	2 hrs.
Industrial Arts 366—Teaching and Supervision of Industrial Arts	2 hrs.
Elective	8 hrs.
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	16 hrs.

Second Semester

Education 363—Student Teaching	5 hrs.
Industrial Arts 301—Projects in Industrial Arts	1 or 2 hrs.
Industrial Arts (Elective)	3 or 2 hrs.
Elective	7 hrs.
	<hr/>
	16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Mathematics	1 hour
Science	8 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Mathematics, Physical Education, Physics, Chemistry.

CURRICULUM FOR A MAJOR IN LATIN

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Latin 103—Selections from Horace	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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	16½ hrs.

Second Semester

English 102—Oral and Written Composition	3 hrs.
Government 111—American Government and Citizenship ...	3 hrs.
Latin 104—Selections from Livy	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Science (Elective)	4 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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	16½ hrs.

SECOND YEAR

First Semester

English 211 or 212—English Literature	3 hrs.
History (Elective)	3 hrs.
Latin 202—Satire and Epigram	
or Foreign Language 214—General Linguistics.....	3 hrs.
Elective	7 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
	<hr/>
	16½ hrs.

Second Semester

English 213—American Literature	3 hrs.
Latin 201—Latin Prose of the Silver Age	
or 203—Latin Literature of the Early Empire	3 hrs.
Elective	10 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
	<hr/>
	16½ hrs.

THIRD YEAR**First Semester**

Education (Elective)	3 hrs.
History (Elective)	3 hrs.
Foreign Language 214—General Linguistics or Latin 202—Satire and Epigram.....	3 hrs.
Latin 212—Legacy of Greece	2 hrs.
Elective	5 hrs.
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	16 hrs.

Second Semester

Education (Elective)	3 hrs.
Latin 203—Latin Literature of the Early Empire or 201—Latin Prose of the Silver Age.....	3 hrs.
Latin 213—Legacy of Rome	2 hrs.
Elective	8 hrs.
	<hr/>
	16 hrs.

FOURTH YEAR**First Semester**

Education 264—Methods of Teaching in the Secondary School	4 hrs.
Latin 361—The Teaching of Latin	3 hrs.
Elective	9 hrs.
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	16 hrs.

Second Semester

Education 363—Student Teaching	5 hrs.
Latin (Elective)	3 hrs.
Elective	8 hrs.
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	16 hrs.

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Mathematics	1 hr.
Science	8 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: English, History, French, Geography.

CURRICULUM FOR A MAJOR IN MATHEMATICS**FIRST YEAR****First Semester**

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Elective	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
<hr/>	
16 $\frac{1}{2}$ hrs.	

Second Semester

English 102—Oral and Written Composition	3 hrs.
Government 111—American Government and Citizenship.....	3 hrs.
Mathematics 108—College Algebra	2 hrs.
Elective	8 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
<hr/>	
16 $\frac{1}{2}$ hrs.	

SECOND YEAR**First Semester**

English 211 or 212—English Literature	3 hrs.
History (Elective)	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Physics 201—Mechanics, Heat, and Sound	5 hrs.
Elective	2 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

Second Semester

English 213—American Literature	3 hrs.
Mathematics 232—Analytic Geometry	5 hrs.
Physics 202—Electricity, Magnetism, Wave Motion and Sound, and Light	5 hrs.
Elective	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

THIRD YEAR**First Semester**

Education (Elective)	3 hrs.
Mathematics 251—Differential Calculus	5 hrs.
Elective	8 hrs.
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	16 hrs.

Second Semester

Education (Elective)	3 hrs.
Mathematics 352—Integral Calculus	3 hrs.
Elective	10 hrs.
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	16 hrs.

FOURTH YEAR**First Semester**

Education 264—Methods of Teaching in the Secondary School	4 hrs.
History (Elective)	3 hrs.
Mathematics 367—Teaching of High School Mathematics.....	3 hrs.
Mathematics (Elective)	3 hrs.
Elective	3 hrs.
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	16 hrs.

Second Semester

Education 363—Student Teaching	5 hrs.
Mathematics (Elective)	3 or 6 hrs.
Elective	8 or 5 hrs.
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	16 hrs.

RESTRICTION ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected much include minimum departmental requirements as follows:

Science 2 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Physics, Chemistry, Physical Education.

CURRICULUM FOR A MAJOR IN MUSIC

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Music 150—Elements of Music	2 hrs.
Music 211a—Piano	2 hrs.
Music 238a—Stringed Instrument Class	1 hr.
Elective	1 hr.
Recreational Activities	$\frac{1}{2}$ hr.

 16½ hrs.

Second Semester

English 102—Oral and Written Composition	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Music 211b—Piano	2 hrs.
Music 238b—Stringed Instrument Class	1 hr.
Science (Elective)	4 hrs.
Recreational Activities	$\frac{1}{2}$ hr.

 16½ hrs.

SECOND YEAR

First Semester

English 211 or 212—English Literature	3 hrs.
History (Elective)	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Music 151—Harmony I	2 hrs.
Music 152—Sight Singing and Ear Training I	1 hr.
Music 221a—Voice	2 hrs.
Elective	2 hrs.
Recreational Activities	$\frac{1}{2}$ hr.

 16½ hrs.

Second Semester

Education (Elective)	3 hrs.
English 213—American Literature	3 hrs.
Music 153—Harmony II	2 hrs.
Music 154—Sight Singing and Ear Training II	1 hr.
Music 221b—Voice	2 hrs.
Elective	5 hrs.
Recreational Activities	$\frac{1}{2}$ hr.

 16½ hrs.

THIRD YEAR**First Semester**

Education (Elective)	3 hrs.
History (Elective)	3 hrs.
Music 251—Harmony III	2 hrs.
Music 252—Sight Singing and Ear Training III	1 hr.
Music 261—Grade Methods and Materials.....	2 hrs.
Elective	5 hrs.

 16 hrs.
Second Semester

Education 261—Fundamentals in Early Elementary Education or 263—Fundamentals in Intermediate Education	3 hrs.
Music 253—Harmony IV	2 hrs.
Music 254—Sight Singing and Ear Training IV.....	1 hr.
Music 262—Conducting	2 hrs.
Elective	8 hrs.

 16 hrs.
FOURTH YEAR**First Semester**

Education 363—Student Teaching	5 hrs.
Music (Piano, Voice, or Violin)	2 hrs.
Music 202—Music History I	2 hrs.
Music 248a—Wind Instrument Class	1 hr.
Elective	6 hrs.

 16 hrs.
Second Semester

Music (Piano, Voice, or Violin)	2 hrs.
Music 203—Music History II	2 hrs.
Music 361—Supervision	2 hrs.
Elective	10 hrs.

 16 hrs.
RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Education	1 hour
Mathematics	1 hour
Science	8 hours

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Art, English, History, Elementary Education.

CURRICULUM FOR A MAJOR IN HEALTH AND PHYSICAL EDUCATION

(Men)

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Health 101—Sanitary Science	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Physical Education 114—Plays and Games	2 hrs.
Physical Education 115—Rhythmical Activities	1 hr.
Recreational Activities	½ hr.

16½ hrs.

Second Semester

Biology 121—General Biology	4 hrs.
English 102—Oral and Written Composition	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Health 100—Personal Hygiene	2 hrs.
Elective	4 hrs.
Recreational Activities	½ hr.

16½ hrs.

SECOND YEAR

First Semester

Chemistry 111—General Chemistry	4 hrs.
English 211 or 212—English Literature	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Physical Education 250—Scouting and Clubcraft	3 hrs.
Physical Education 275—Clog and Character Dancing	1 hr.
Elective	2 hrs.
Recreational Activities	½ hr.

16½ hrs.

Second Semester

Chemistry 112—Inorganic Chemistry	5 hrs.
English 213—American Literature	3 hrs.
Health 202—First Aid to the Injured	1 hr.
Mathematics 108—College Algebra	2 hrs.
Physical Education 266—Materials and Methods for Teaching Physical Education	3 hrs.
Elective	2 hrs.
Recreational Activities	½ hr.

16½ hrs.

THIRD YEAR**First Semester**

Biology 242—Comparative Anatomy	4 hrs.
Education 214—Psychology of Adolescence	3 hrs.
Mathematics (Elective)	2 hrs.
Physical Education 267—Physical Training Activities	2 hrs.
Elective	5 hrs.
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	16 hrs.

Second Semester

Biology 381—Animal Physiology	4 hrs.
Education (Elective)	3 hrs.
Physical Education 261—Coaching Basketball (First nine weeks)	1 hr.
Physical Education 265—Coaching Track and Field (Last nine weeks)	1 hr.
Physical Education 268—Advanced Physical Training Activities	2 hrs.
Elective	5 hrs.
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	16 hrs.

FOURTH YEAR**First Semester**

Education 263—Fundamentals in Intermediate Education or 264—Methods of Teaching in the Secondary School	} 3 or 4 hrs.
Health and Physical Education (Elective)	
History (Elective)	3 hrs.
Elective	4 or 3 hrs.
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	16 hrs.

Second Semester

Education 363—Student Teaching	5 hrs.
Health and Physical Education (Elective)	7 hrs.
History (Elective)	3 hrs.
Elective	1 hr.
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	16 hrs.

RESTRICTION ON ELECTIVES:

Education 1 hour

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Mathematics, Chemistry, Biology.

CURRICULUM FOR A MAJOR IN HEALTH AND PHYSICAL EDUCATION

(Women)

FIRST YEAR

First Semester

Education 111—Educational Psychology	3 hrs.
English 101—Oral and Written Composition	3 hrs.
Health 100—Personal Hygiene	2 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Physical Education 114—Plays and Games	2 hrs.
Physical Education 115—Rhythmical Activities	1 hr.
Elective	1 hr.
Recreational Activities	½ hr.

16½ hrs.

Second Semester

Eiology 121—General Biology	4 hrs.
English 102—Oral and Written Composition	3 hrs.
Government 111—American Government and Citizenship	3 hrs.
Health 101—Sanitary Science	3 hrs.
Elective	3 hrs.
Recreational Activities	½ hr.

16½ hrs.

SECOND YEAR

First Semester

Chemistry 111—General Chemistry	4 hrs.
English 211 or 212—English Literature	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Physical Education 251—Clubcraft	3 hrs.
Physical Education 275—Clog and Character Dancing	1 hr.
Elective	2 hrs.
Recreational Activities	½ hr.

16½ hrs.

Second Semester

Chemistry 112—Inorganic Chemistry	5 hrs.
English 213—American Literature	3 hrs.
Health 231—Home Nursing	2 hrs.
Mathematics 108—College Algebra	2 hrs.
Physical Education 214—Natural Dancing	1 hr.
Physical Education 266—Materials and Methods for Teach- ing Physical Education	3 hrs.
Recreational Activities	½ hr.

16½ hrs.

THIRD YEAR

First Semester

Biology 242—Comparative Anatomy	4 hrs.
Education 214—Psychology of Adolescence	3 hrs.
Health 365—Materials and Methods for Teaching	
Health Education	3 hrs.
Mathematics (Elective)	2 hrs.
Physical Education 267—Physical Training Activities	2 hrs.
Elective	2 hrs.
	<hr/>
	16 hrs.

Second Semester

Biology 381—Animal Physiology	4 hrs.
Education 263—Fundamentals in Intermediate Education	} .3 or 4 hrs.
or 264—Methods of Teaching in the Secondary School	
Physical Education 268—Advanced Physical Training	
Activities	2 hrs.
Elective	7 or 6 hrs.
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	16 hrs.

FOURTH YEAR

First Semester

Education 363—Student Teaching	5 hrs.
History (Elective)	3 hrs.
Physical Education (Elective)	3 hrs.
Elective	5 hrs.
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	16 hrs.

Second Semester

Education (Elective)	3 hrs.
Health and Physical Education (Elective)	5 hrs.
History (Elective)	3 hrs.
Elective	5 hrs.
	<hr/>
	16 hrs.

RESTRICTIONS ON ELECTIVES:

Education 1 hour

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Mathematics, Chemistry, Biology.

CURRICULUM FOR A MAJOR IN PHYSICS**FIRST YEAR****First Semester**

Chemistry 111—General Chemistry	4 hrs.
English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

Second Semester

Education 111—Educational Psychology	3 hrs.
Chemistry 112—Inorganic Chemistry	5 hrs.
English 102—Oral and Written Composition	3 hrs.
Mathematics 232—Analytic Geometry	5 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

SECOND YEAR**First Semester**

Government 111—American Government and Citizenship	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 251—Differential Calculus	5 hrs.
Physics 201—Mechanics, Heat, and Sound	5 hrs.
Elective	2 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

Second Semester

Education (Elective)	3 hrs.
History (Elective)	3 hrs.
Mathematics 352—Integral Calculus	3 hrs.
Physics 202—Electricity, Magnetism, Wave Motion and Sound, and Light	5 hrs.
Elective	2 hrs.
Recreational Activities	$\frac{1}{2}$ hr.
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16 $\frac{1}{2}$ hrs.	

THIRD YEAR

First Semester

Education (Elective)	3 hrs.
English 211 or 212—English Literature	3 hrs.
Physics 301—An Advanced Course in Mechanics	5 hrs.
Elective	5 hrs.
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	16 hrs.

Second Semester

English 213—American Literature	3 hrs.
History (Elective)	3 hrs.
Physics 304—Advanced Electricity and Magnetism } or 302—Introduction to Physical Optics..... }	3 hrs.
Elective	7 hrs.
	<hr/>
	16 hrs.

FOURTH YEAR

First Semester

Education 264—Methods of Teaching in the Secondary School	4 hrs.
Physics (Elective)	5 hrs.
Elective	7 hrs.
	<hr/>
	16 hrs.

Second Semester

Education 363—Student Teaching	5 hrs.
Physics (Elective)	3 hrs.
Elective	8 hrs.
	<hr/>
	16 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Chemistry, Mathematics, Biology.

CURRICULUM FOR A MAJOR IN SCIENCE**FIRST YEAR****First Semester**

English 101—Oral and Written Composition	3 hrs.
Mathematics 107—College Algebra	3 hrs.
Chemistry 111—General Chemistry	4 hrs.
History 102 or 103—American History	3 hrs.
Education 111—Educational Psychology	3 hrs.
Recreational Activities	½ hr.
	<hr/>
	16½ hrs.

Second Semester

English 102—Oral and Written Composition	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Chemistry 112—Inorganic Chemistry	5 hrs.
Biology 121—General Biology	4 hrs.
Library Science 166—Library Methods	1 hr.
Recreational Activities	½ hr.
	<hr/>
	16½ hrs.

SECOND YEAR**First Semester**

English 211 or 212—English Literature	3 hrs.
Government 111—American Government and Citizenship.....	3 hrs.
Physics 201—Mechanics and Heat	5 hrs.
Biology 231—General Botany	4 hrs.
Elective	1 hr.
Recreational Activities	½ hr.
	<hr/>
	16½ hrs.

Second Semester

English 213—American Literature	3 hrs.
Physics 202—Electricity, Magnetism, Sound, and Light.....	5 hrs.
Chemistry 215—Organic Chemistry	5 hrs.
Education 214—Adolescent Psychology	3 hrs.
Recreational Activities	½ hr.
	<hr/>
	16½ hrs.

THIRD YEAR**First Semester**

Biology 242—Comparative Anatomy	4 hrs.
Mathematics 232—Analytic Geometry	5 hrs.
Geology 201—Physical Geography and Geology	3 hrs.
Physics (Elective)	2 hrs.
Elective	2 hrs.
	<hr/>
	16 hrs.

Second Semester

Mathematics 221—General Astronomy	3 hrs.
History (Elective)	3 hrs.
Biology, Chemistry, or Physics (Elective)3 to	5 hrs.
Education 264—Methods of Teaching in the Secondary School	4 hrs.
Elective3 to	1 hr.
	<hr/>
	16 hrs.

FOURTH YEAR**First Semester**

Education (Elective)	3 hrs.
Biology, Chemistry, or Physics (Elective)3 to	5 hrs.
History (Elective)	3 hrs.
Health 303—Advanced Sanitary Science	5 hrs.
Elective2 to	0 hrs.
	<hr/>
	16 hrs.

Second Semester

Education 363—Student Teaching	5 hrs.
Biology, Chemistry, or Physics (Elective)4 to	5 hrs.
Elective7 to	6 hrs.
	<hr/>
	16 hrs.

MINORS:

Use elective to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor.

LIBERAL ARTS CURRICULUM

(Without Certificat on Privilege)

This curriculum leads to the degree of Bachelor of Arts or Bachelor of Science and does not fulfill the requirements for teachers' certificates. The applicant for the non-professional degree of Bachelor of Arts or Bachelor of Science must take his major and minors in the fields of arts and sciences. Education courses cannot be elected in this curriculum.

MINIMUM DEPARTMENTAL REQUIREMENTS FOR THE NON-PROFESSIONAL BACHELOR OF ARTS DEGREE

English	18 hours
History, Government, Sociology	18 hours
Science	12 hours
Mathematics (Not including teachers' arithmetic)....	7 hours
*Foreign Language	6 to 18 hours

MINIMUM DEPARTMENTAL REQUIREMENTS FOR THE NON-PROFESSIONAL BACHELOR OF SCIENCE DEGREE

Engl'sh	18 hours
History, Government, Sociology	12 hours
Science	60 hours
Mathematics (Not including teachers' arithmetic)....	12 hours
*Foreign Language	6 to 18 hours

*In meeting the Foreign Language requirement for this degree only credit in translation courses will be counted. The minimum amount of a Foreign Language which may be offered to meet this requirement shall be as follows:

Six semester hours provided three units of the same language are presented for college entrance.

Twelve semester hours provided two units of the same language are presented for college entrance.

Eighteen semester hours if less than two units of the same language are presented for college entrance.

In case a student offers for entrance more than three units of high school credit in a Foreign Language, the minimum amount of credit of college level which must be done in the same Foreign Language for meeting the requirements for the Bachelor of Arts degree and the Bachelor of Science degree shall be six semester hours.

In addition to fulfilling the minimum departmental requirements for the non-professional degree of Bachelor of Arts or Bachelor of science, the candidate must offer a major of at least 24 semester hours, a first minor of at least 18 semester hours, and a second minor

of at least 12 semester hours plus elective work to make a minimum of 128 semester hours exclusive of the physical education courses required during the freshman and sophomore years.

FIRST YEAR

First Semester

English 101—Oral and Written Composition	3 hrs.
History 102 or 103—American History	3 hrs.
Library Science 166—Library Methods	1 hr.
Mathematics 107—College Algebra	3 hrs.
Mathematics 113—Trigonometry	3 hrs.
Elective	3 hrs.
Recreational Activities	½ hr.
<hr/>	
16½ hrs.	

Second Semester

English 102—Oral and Written Composition	3 hrs.
Mathematics (Elective)	2 hrs.
Science (Elective)	4 hrs.
Elective	7 hrs.
Recreational Activities	½ hr.
<hr/>	
16½ hrs.	

SECOND YEAR

First Semester

English 211 or 212—English Literature	3 hrs.
History (Elective)	3 hrs.
Science (Elective)	5 hrs.
Elective	5 hrs.
Recreational Activities	½ hr.
<hr/>	
16½ hrs.	

Second Semester

English 213—American Literature	3 hrs.
Government 111—American Government and Citizenship.....	3 hrs.
Elective	10 hrs.
Recreational Activities	½ hr.
<hr/>	
16½ hrs.	

THIRD YEAR

First Semester

History (Elective)	3 hrs.
Elective	13 hrs.
	<hr/>
	16 hrs.

Second Semester

Elective	16 hrs.
	<hr/>
	16 hrs.

FOURTH YEAR

First Semester

Elective	16 hrs.
	<hr/>
	16 hrs.

Second Semester

Elective	16 hrs.
	<hr/>
	16 hrs.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. Use electives also for obtaining minimum departmental requirements.



A View of the Campus.

DEGREES CONFERRED

CLASS OF 1925

Name	Degree	Address
Bennett, Laural Isabel.....	A. B.....	Richmond
Campbell, Green Washington.....	A. B.....	Corbin
Floyd, Mary	A. B.....	Richmond
Hart, Benjamin Franklin.....	A. B.....	Burning Springs
Hume, Elizabeth	A. B.....	Richmond
Lane, Joseph Ernest	A. B.....	Cookeville, Tenn.
Leathers, Hettie Marie.....	A. B.....	Richmond
Mackey, Alexander B.....	A. B.....	Nashville, Tenn.
Mattox, Mary Lou	B. S.....	Richmond
Mullins, Elmer C.	A. B.....	Moreland
Qualls, Daniel Webster.....	A. B.....	Olive Hill
Shearer, William Morton.....	A. B.....	Covington
Skinner, Thomas W.....	A. B.....	Harrodsburg

CLASS OF 1926

Aaron, William George.....	A. B.....	Russell Springs
Ammerman, Mary Jane	A. B.....	Cynthiana
Arbuckle, Sara Evans	A. B.....	Richmond
Bowman, Neal S.	A. B.....	Richmond
Carter, Melba W.	A. B.....	Richmond
Case, Emma Young.....	A. B.....	Richmond
Chadwell, William O.....	A. B.....	Island City
Coates, Lana Martine (Mrs. Stewart Brabant).....	A. B.....	Elkton
Ellis, Henry Lawrence	A. B.....	Louisa
Gullett, William Preston.....	A. B.....	Stacy Fork
Hood, Claude	A. B.....	Soldier
Little, Eula Baker	A. B.....	Richmond
McMullin, Mrs. Virgil	A. B.....	Richmond
Mainous, Clayton George.....	A. B.....	Baton Rouge, La.
Mills, Jennings Franklin.....	A. B.....	Kenton
Mullinix, Edna M.	A. B.....	Richmond
Neikirk, George Archibald.....	A. B.....	Richmond
North, Elizabeth	A. B.....	Cropper
Riley, Ruth	A. B.....	Covington
Routt, Virginia	A. B.....	Hustonville
Watts, John Brown	A. B.....	Annville
Wells, Lillian Jackson.....	A. B.....	Nicholasville
Wheeler, Allie Hendren	A. B.....	Richmond

Name	Degree	Address
White, Bessie Mae	A. B.....	Covington
Wilson, Maude	A. B.....	Kirksville
Word, Carroll Emerson.....	A. B.....	Concord
Yager, Katherine Elizabeth	A. B.....	La Grange

CLASS OF 1927

Bertram, Anna Louise	A. B.....	Vanceburg
Champ, Bernice	A. B.....	Lancaster
Coates, James Dorland.....	B. S.....	Richmond
Cuppy, Florence Montelle.....	A. B.....	Dayton
Estes, Eubie Kate	A. B.....	Owenton
Evans, Ethel Lee	A. B.....	Davisburg
Gilmore, Charles M.....	B. S.....	Hazard
Hendrix, Dewey	A. B.....	Yeaddies
Jones, John Spencer.....	A. B.....	Richmond
Jones, John Spencer (Mrs.).....	A. B.....	Richmond
King, Sam	A. B.....	Burke
Lingenfelter, Emma Margaret	A. B.....	Richmond
Little, Robert E.	A. B.....	Paint Lick
Moore, Allie Ruth.....	A. B.....	Richmond
Payne, James Andrew.....	A. B.....	Cynthiana
Pelley, Thos. Lee	A. B.....	Morning View
Price, Orville	A. B.....	Richmond
Rice, Lawrence K.....	A. B.....	Quicksand
Ross, Emma Baker	A. B.....	Marlboro, Mass.
Sloan, Myrtle Mae	A. B.....	Somerset
Soper, Oma Smith.....	A. B.....	Russell
Triplett, Ishmeal.....	A. B.....	Lackey
Willoughby, Beulah	A. B.....	Richmond

CLASS OF 1928

Acree, C. S.....	A. B.....	Florence
Adkins, Robt. Thompson, Jr.....	A. B.....	Mt. Olivet
Ball, Mrs. Dewey	A. B.....	Lancaster
Bell, Ira	A. B.....	Monticello
Carpenter, Katie D.....	A. B.....	Richmond
Chambers, Henry Clay.....	A. B.....	Richmond
Clark, Mabel	A. B.....	Covington
Clift, Lillian Mae.....	A. B.....	Bellevue
Cummins, Eliza Anderson.....	A. B.....	Stanford
Farley, Claude H.....	B. S.....	Auxier
Fields, Davis S.....	A. B.....	Louisville
Goodman, Kenner C.....	A. B.....	Coxton
Harmon, Judson S.....	A. B.....	Prestonsburg
Hill, Gladys	A. B.....	Richmond

Name	Degree	Address
Hubbard, Elizabeth	A. B.....	Richmond
Hurst, Paul Marshall.....	B. S.....	Morehead
Jones, Fairy	A. B.....	Richmond
Kenney, Mae Kirk	B. S.....	Brooksville
Knarr, Ruth	A. B.....	Ft. Thomas
Little, Daniel B. (deceased).....	A. B.....	Paint Lick
Moberly, Jesse C	A. B.....	Richmond
Moberly, Mary Earle	A. B.....	Richmond
Pearson, William E.....	A. B.....	Waco
Ramsey, Jennie Elizabeth.....	B. S.....	Benham
Redmond, Mattie	A. B.....	Lawrenceburg
Roberts, Delaine O.....	A. B.....	W. Somerset
Stephenson, Lillian G.....	A. B.....	Richmond
Taylor, Mrs. Ethel Tudor.....	A. B.....	Richmond
Wagers, Lawrence	B. S.....	Manchester
Webb, Lela	A. B.....	Burning Springs
Wells, Mrs. Marion Terrell.....	A. B.....	Richmond
White, P. J.....	A. B.....	Harrodsburg
Wilson, Albert	A. B.....	Richmond
Wood, Jesse H.	B. S.....	Pine Knot
Yager, Thomas Clarence.....	A. B.....	Columbia, S. C.

CLASS OF 1929

Alexander, Chester Raeburn.....	B. S.....	Dry Ridge
Amis, Otis Cecil	A. B.....	Himyar
Atkinson, Stella Congleton	A. B.....	Slade
Ballard, May Douglas.....	A. B.....	Richmond
Barret, Mrs. R. T.....	A. B.....	Ashland
Bevins, Billie Zetta.....	A. B.....	Mita
Brooks, Mollie Margaret.....	A. B.....	Parksville
Calico, Hazel Virginia	B. S.....	Paint Lick
Carpenter, Valley	B. S.....	Harrodsburg
Chandler, Robert Edwin.....	B. S.....	Lancaster
Clifton, Wilburn Parker.....	B. S.....	Owenton
Coates, Thomas Henry.....	A. B.....	Morehead
Combs, Beckham	A. B.....	Whitesburg
Congleton, Mrs. Mary A.....	A. B.....	Richmond
Cooper, Vanburen	A. B.....	Caroleen, N. C.
Cord, Emma Harrison	A. B.....	Maysville
Coslow, Mrs. Brunette Money.....	A. B.....	Fisherville
Douds, Harold Lowen	A. B.....	Carmichaela, Pa.
Dykes, Norma Katherine	A. B.....	Richmond
Ellison, Evelyn	B. S.....	Lincoln
Farris, Mrs. Zola White	A. B.....	Richmond
Fowler, Sudie B.....	A. B.....	Cynthiana
Galbraith, Shirley	A. B.....	Brooksville

Name	Degree	Address
Hale, E. B.....	A. B.....	Whitesburg
Harris, Lena Jane	A. B.....	Richmond
Harrod, Justus Goebel	A. B.....	Stanford
Hemm, Susan Rietta	B. S.....	Simpsonville
Holbrook, Martha	A. B.....	Owenton
Hugnes, Eliza	B. S.....	Richmond
Kelty, Edna Arabeliah.....	B. S.....	Berda
Lair, Ruby	A. B.....	Monticello
Lee, Viola Higgins	A. B.....	Pulaski
Locke, Mrs. Mae Wyan.....	A. B.....	London
McCord, Mary Katherine.....	A. B.....	Richmond
McGuire, Asa Franklin.....	A. B.....	Morehead
McKinney, David Hampton.....	B. S.....	Richmond
Marshall, Clarence W.....	A. B.....	Campton
Millon, Harriet	A. B.....	Million
Minter, Edna Keliems	A. B.....	Red House
Morris, Roger B.....	B. S.....	Stanford
Paxton, Mrs. Elmer J.....	A. B.....	Shelbyville
Paynter, Charles	A. B.....	Brooksville
Pennington, John Edgar.....	A. B.....	Webbville
Radford, Betty Buckner.....	A. B.....	Swannanoa, N. C.
Ramsey, Charles P.....	A. B.....	Manchester
Reynolds, Coleman	A. B.....	Finchville
Richards, R. R.....	A. B.....	Richmond
Ross, Evelyn Ferrell.....	B. S.....	Richmond
Salyers, Robert King	A. B.....	Lexington
Skinner, V. Lucretia	A. B.....	Harrodsburg
Smith, Robert Luther.....	A. B.....	Perkins
Smith, William Alton.....	A. B.....	Waco
Staton, Lee Roy	A. B.....	Snow
Stennett, Mabel O.....	A. B.....	Russell
Stone, Talton K.....	A. B.....	Carrollton
Thompson, Forest Stone.....	A. B.....	Myers
Thompson, Mrs. Forest S.....	A. B.....	Myers
Wagoner, Thelma May.....	A. B.....	Paris
Ward, Stella	A. B.....	Cropper
Watkins, Willie Moss.....	A. B.....	Liberty
Weaver, Mildred Ethel.....	B. S.....	Loyall
White, Mary Mildred	A. B.....	Ashland
Winburn, Hobart	A. B.....	Waco

CLASS OF 1930

Arnold, Sue V.....	A. B.....	Wheatley
Bell, Mrs. Julia Goodpaster.....	A. B.....	Monticello
Bowen, Maude S.....	A. B.....	Slade
Broaddus, Hazel	B. S.....	Lancaster

Name	Degree	Address
Bush, Sallie T.	A. B.	Winchester
Clayton, S. T.	B. S.	Morehouse, Mo.
Cornett, James H.	A. B.	Paint Lick
Cornett, Willie	B. S.	Larue
Daniel, Mary	B. S.	Stanton
Dial, Fred	A. B.	Branchland, W. Va.
Dudley, Mabel	A. B.	Richmond
Elnott, Irene J.	A. B.	McKinney
Graham, O. J.	B. S.	Springdale
Hammonds, Colonel	A. B.	Paint Lick
Hart, Charles W.	B. S.	Bardstown
Hord, Geneva Jane	A. B.	Richmond
Horton, Herman	A. B.	Johns Run
Humphrey, Clyde Wilson	A. B.	Oil Springs
Jacobs, Richard	A. B.	Cynthiana
McGlosson, Georgiana	A. B.	Richmond
Mahaffey, May	A. B.	Richmond
Martin, Lloyd Lafayette	A. B.	Richmond
Mason, Francis	A. B.	Richmond
Masters, John	B. S.	Paris Crossing, Ind.
Miller, Gladys	A. B.	Parksville
Moores, Willie Griggs	A. B.	Wilmore
Munday, David C.	A. B.	Richmond
Ogg, William E.	A. B.	Berea
Owens, Ethel	A. B.	Mitchellsburg
Parman, Oscar	A. B.	London
Peele, Emily	A. B.	Nicholasville
Pletcher, Jessie Belle	A. B.	Sanborn, N. Y.
Plummer, Charles Milton	A. B.	Paris
Regenstein, Alma	B. S.	Richmond
Reynolds, Lena B.	A. B.	London
Richardson, James R.	A. B.	Richmond
Roe, James Alvin	A. B.	Beechy
Sloas, Nora Virginia	B. S.	Webbville
Slucher, Thelma	A. B.	Barbourville
Smith, Mrs. Alton	A. B.	Waco
Smith, Anna Mae	A. B.	Wasioto
Smith, Eva	B. S.	Frankfort
Stacy, General	A. B.	Ary
Stocker, Mossie	A. B.	Richmond
Stratton, Garland	B. S.	Mayflower
Taphorn, Mary Martha	A. B.	Covington
Tarter, V. K.	B. S.	Whitley City
Tate, Flora	B. S.	Midway
Telford, Margaret	A. B.	Richmond
Triplett, Henry	B. S.	Corbin

Name	Degree	Address
Washburn, Cecil	A. B.....	Paris
Washington, Mary	B. S.....	Russell
White, J. J.	A. B.....	California
Willoughby, Hortense	A. B.....	Richmond
Wilson, Huldah F.....	A. B.....	Covington

CLASS OF 1931

Arnold, Ansel B.....	A. B.....	Cynthiana
Broaddus, Louise Ballard	A. B.....	Richmond
Cable, Euphemia	B. S.....	Fincastle
Castle, Fannie Mae	B. S.....	Catlettsburg
Chambers, Eleanor Leslie	A. B.....	Richmond
Chestnut, Clark E.....	B. S.....	Burning Springs
Chrisman, Sue Mae	A. B.....	Danville
Clay, Thelma	B. S.....	Carlisle
Conrad, Louise Bracht	A. B.....	Walton
Cosby, Sara	A. B.....	Richmond
Crace, Allington	B. S.....	Elsie
Davis, Josephine M.	A. B.....	Cynthiana
Davis, Robert Edward.....	A. B.....	Noctor
Derrick, Lucile	B. S.....	Bellevue
Durr, Haldon	B. S.....	Harrodsburg
Elliott, Esther Helen.....	A. B.....	Butler
Elliott, Mabel K.....	A. B.....	Butler
Farley, Lewis Clyde	A. B.....	Pikeville
Fryman, Virgil T.....	B. S.....	Mt. Olivet
Gaines, Charles Flyod.....	A. B.....	Owenton
Greene, Cyrus E.....	A. B.....	Beechwood
Gschwind, Esther L.....	A. B.....	Erlanger
Hacker, Henry	A. B.....	Richmond
Hammonds, Mrs. Colonel.....	A. B.....	Bourne
Harrison, Roswell W.....	A. B.....	Simpsonville
Hicks, Clarissa	B. S.....	Hindman
Hieronymus, Margaret	A. B.....	Richmond
Holbrook, French	A. B.....	Bays
Hood, Ada May.....	A. B.....	Ashland
James, Mrs. Edith.....	B. S.....	Richmond
Jasper, Marvin	B. S.....	Science Hill
Kelly, Jennie Elizabeth.....	A. B.....	Lebanon
Lea, Mary Lillian	B. S.....	Brooksville
Lea, Orland Dale	B. S.....	Brooksville
Long, Mrs. Mary Cox.....	A. B.....	Richmond
Maddox, Noemi Wheeler.....	B. S.....	La Grange
Marshall, Kenneth T.....	B. S.....	Corinth
Martin, Bettie	A. B.....	Richmond
McGibney, William Franklin.....	B. S.....	Owenton

Name	Degree	Address
Million, Elise	A. B.....	Richmond
Morris, Roscoe	A. B.....	Jep Hill
Owens, Mildred	A. B.....	Maysville
Park, Alliegordon Irby.....	A. B.....	Richmond
Pelphrey, Nell	B. S.....	Lancaster
Peters, Julia Anne	B. S.....	Marydel
Pettit, Charles A.....	A. B.....	Elliston
Rees, Rupert S.....	B. S.....	Foster
Rice, David W.....	A. B.....	Brevard, N. C.
Richards, Edna M.	A. B.....	Knoxville, Tenn.
Roach, Alice Isabel	A. B.....	Williamsburg
Rogers, Opal Garnett	A. B.....	Columbia
Salyer, Amanda Patrick.....	A. B.....	Owinsville
Scott, Mildred Mae	A. B.....	Richmond
Scrivner, Sue	A. B.....	Richmond
Smith, Mrs. Mae Blackaby.....	A. B.....	Yancey
Taylor, Willie Mae	A. B.....	Richmond
Terrill, Dorthy	A. B.....	Richmond
Terrill, Olive	B. S.....	Richmond
Tevis, Edward	A. B.....	Richmond
Tudor, Tabitha	A. B.....	Nicholasville
Waldrop, Claude C.....	B. S.....	Owenton
Welch, Lawrence V.....	A. B.....	Georgetown
Wheeldon, Cecil G.....	A. B.....	Waynesburg
White, Frances L.....	A. B.....	Brumfield
Whitehouse, Elmer Clay	B. S.....	Waddy
Whittaker, Rawdy.....	A. B.....	Crawford
Womack, Lillian Agnes.....	A. B.....	Ashland
Work, Charles	B. S.....	Augusta
Wright, Ray H.....	B. S.....	Cox's Creek
Young, Alice McClellan.....	A. B.....	Anco

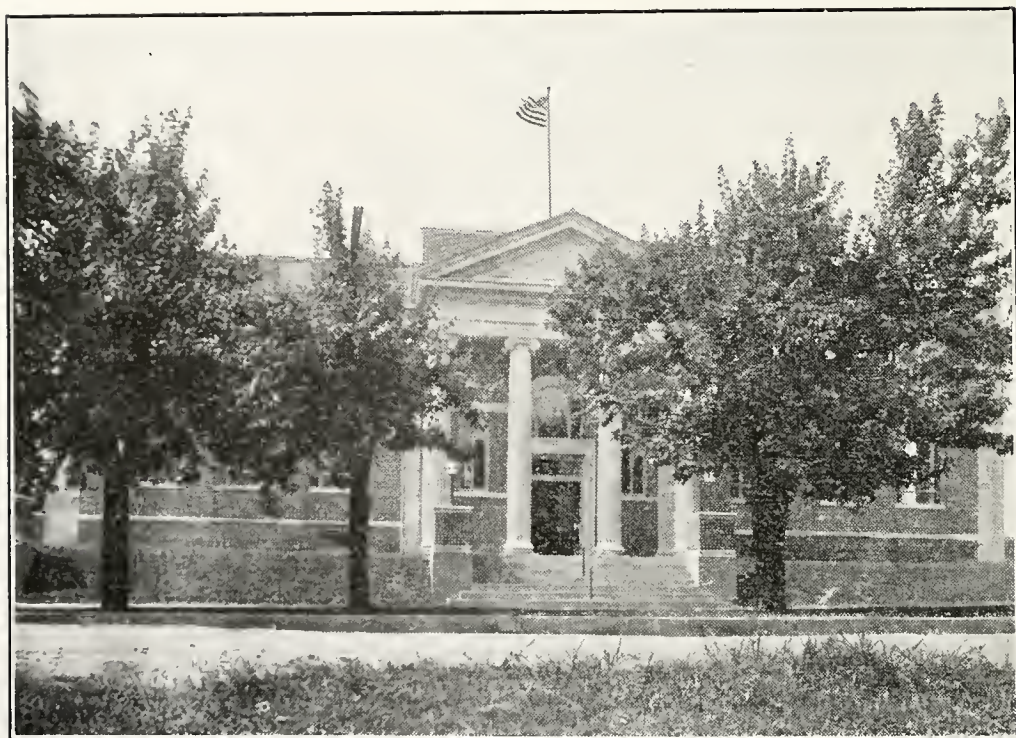
CLASS OF 1932

Adams, Bennie	B. S.....	Carr Creek
Adams, Kearney S.....	A. B.....	Lancaster
Adams, Mrs. Kearney S.....	A. B.....	Lancaster
Bailey, Robert J.....	A. B.....	Garlin
Banks, Edgar	B. S.....	Whitesburg
Bevins, Mrs. Ben L.	B. S.....	Belfrey
Blackwell, Frances	B. S.....	Richmond
Boleyn, Betty, Jo.....	A. B.....	Bolyn
Boyers, Cecil	A. B.....	Boyd
Erock, Margaret	A. B.....	Richmond
Callebs, Dora	A. B.....	Lancaster
Campbell, Odell	A. B.....	Monticello
Carter, Gilbert William	B. S.....	Harrodsburg

Name	Degree	Address
Cawood, James Abram	A. B.....	Cawood
Cheatham, Sueanna	A. B.....	Springfield
Cheek, William A.....	B. S.....	Louisa
Chlunn, Harriette Lorraine	B. S.....	Wurtland
Cook, Edward K.....	A. B.....	Woodstock
Coppage, Christine	A. B.....	Bradfordsville
Cornett, Larkin Custer	B. S.....	Fogertown
Cox, Elizabeth, H.....	A. B.....	Richmond
Dalzelle, Edith	A. B.....	Carlisle
Dunbar, Mary Lou	A. B.....	Richmond
Dunbar, Mrs. Virginia Todd.....	A. B.....	Richmond
Duvall, Rachel	A. B.....	Wheatley
Ellison, Clarence	B. S.....	Waynesburg
Estridge, Burnam	A. B.....	Paint Lick
Estridge, Lucille	A. B.....	Paint Lick
Evans, Hazel	B. S.....	Richmond
Evans, Mabel	A. B.....	Richmond
Fairchild, Mrs. T. C.....	A. B.....	Ashland
Folmer, C. Fred.....	A. B.....	Independence
Forman, Mary D. T.....	B. S.....	Mayslick
Foster, Sadie D.....	A. B.....	Athens, O.
Floyd, Samantha	A. B.....	Crab Orchard
Fonts, John D.....	B. S.....	Benge
Franks, Evabel	A. B.....	Walton
Goodloe, Paul Miller	B. S.....	White's Station
Griffith, Fleming B.....	A. B.....	Richmond
Guy, Robert L.....	A. B.....	Mt. Sterling
Hale, Herman	B. S.....	Cody
Hale, Lawrence	B. S.....	Cody
Hale, Zelda	B. S.....	Cody
Hamilton, Hargis	B. S.....	Skaggs
Hamilton, Nancy	A. B.....	Union City
Harmon, Willa Farrald	A. B.....	Pine Knot
Hayes, Mollie E.....	B. S.....	Ashland
Hays, Foster M.....	A. B.....	Waynesburg
Hensley, Carlo	B. S.....	Sibert
Hohnhorst, Anthony A.....	B. S.....	Fort Mitchell
Horn, Currey	A. B.....	Harrodsburg
Isaacs, Pine Mae.....	A. B.....	Winchester
La Monda, Jesse W.....	B. S.....	Brooksville
La Monda, Mrs. Jesse W.....	A. B.....	Brooksville
Lawhorn, Charles F.....	A. B.....	Yosemite
Lawhorn, Mrs. Charles F.....	A. B.....	Yosemite
Layne, Raymond Lee	A. B.....	Berea
Long, Capitola	A. B.....	Richmond
Mayes, Mildred Ann	A. B.....	Bondville

Name	Degree	Address
McCollum, Martha Emily.....	A. B.....	Richmond
McHargue, Lester	A. B.....	Pine Hill
McKinley, Herschel	A. B.....	Owensboro
Metlon, William V.....	B. S.....	Confluence
Miller, Mrs. Lillian Estes.....	A. B.....	Lexington
Moberley, Margaret Hume.....	B. S.....	Moberley
Moore, Mrs. Joesph P.....	A. B.....	Garrett
Moores, Walter W.....	A. B.....	Richmond
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Osborne, John S.....	B. S.....	Clarence
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Thompson, Anna Meredith.....	A. B.....	Carlisle
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Warren, Challis H.....	A. B.....	Richmond
White, Gleala	A. B.....	Cuzick

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